Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

June 9, 1958

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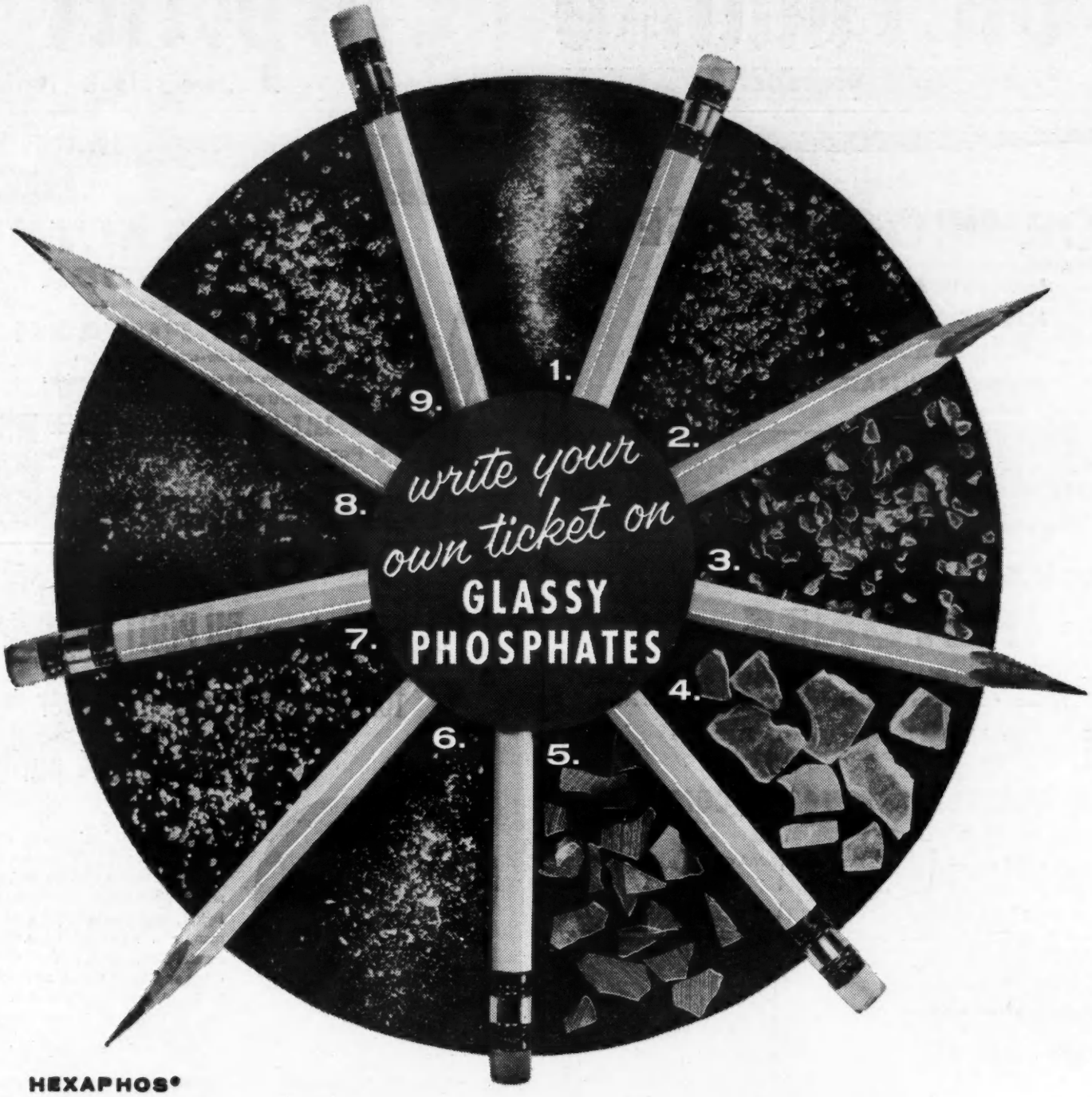

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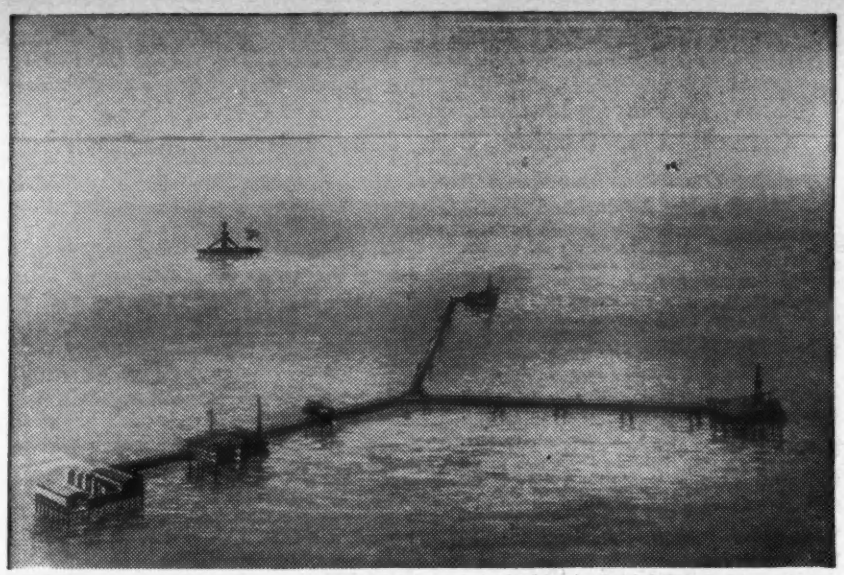
Oil, Paint and Drug Reporter

Vol. 173 No. 24 30 Church St., New York 7, N. Y. June 9, 1958



FREEPORT'S OFFSHORE SULFUR MINE: Architectural sketch of the offshore sulfur mining plant, reputed to be the world's first, which Freeport Sulphur Company plans to erect in the Gulf of Mexico. Construction work on the mile-long Y-shaped structure is scheduled to begin next week seven miles off the coast of Louisiana. Principal part of a $30 million Freeport project to develop a major sulfur deposit known as Grand Isle, the mine is expected to be in production in 1960.

Soap Case Is in Another Lather As Gov't Gets Ready to Try Again

The government's antitrust case against three of the country's biggest soap makers appears to be bubbling up into a heavy lather again as a result of a decision of the Supreme Court of the United States last week. Indications are that the government is now preparing to reinstate its charges against Procter & Gamble Company, Cincinnati, Ohio; Colgate-Palmolive Company, Jersey City, N. J., and Lever Brothers Company, New York. Also involved is the Association of American Soap & Glycerine Manufacturers.

BECCO ASS'T SALES MANAGER: John R. Hopkins, promoted to assistant sales manager of Becco Chemical Division, Food Machinery & Chemical Corporation, Buffalo, N. Y.

The action turns on a successful appeal by the government from a ruling of the United States District Court for the District of New Jersey in 1956. That ruling had directed the government to turn over to the companies the proceedings of a federal grand jury on which the Department of Justice based a civil antitrust suit.

Criminal Indictment

The grand jury had failed to return a criminal indictment against the companies and the association, and the district court held that if the government used the transcript to prepare its civil case, then the defendants were entitled to the same privilege in preparing their defense. By a 6-3 decision, the supreme court held, however, that this privilege does not automatically follow.

"We start with a long-established policy that maintains the secrecy of the grand jury proceedings in the federal courts," the decision stated. "The reasons are varied. One is to encourage all witnesses to step forward and testify freely without fear of retaliation. . . . The grand jury as a public institution serving the community might suffer if those testifying today knew that the secrecy of their testimony would be lifted tomorrow. This indispensable secrecy of grand jury proceedings must not be broken except where there is a compelling necessity.

"No such showing was made there. The relevancy and usefulness of the testimony

—Continued on page 50

Metal & Thermit Inks Organotin Agreement

Metal & Thermit Corporation, New York, has signed an agreement with Societe des Usines Rhone-Poulenc, Paris, for the French company to manufacture, for distribution in continental Europe, a number of organotin compounds developed by Metal & Thermit.

In addition, Metal & Thermit is licensed to produce various products under Rhone-Poulenc patents in the United States.

Rhone-Poulenc operates seven plants in France and has associated companies with plants in Argentina, Brazil, Canada, England, Italy, the United States, West Germany and Uruguay. Products manufac-

Continued on page 66

Glidden Co. Takes Over General Paint Operations

Glidden Company, Cleveland, Ohio, has officially taken over domestic paint operations of General Paint Corporation.

Stockholders of General Paint recently approved the purchase agreement under which Glidden has acquired General's paint brand names, inventories, paint processes and manufacturing facilities, exclusive of overseas manufacturing and the Hill Hubbell Division.

USDA Wants to Be Captain Of Farm Products Study Team; Otherwise It Refuses to Play

If there is going to be any "crash" team set up to find new industrial uses for farm products, the Department of Agriculture wants to be captain of it. Otherwise, USDA won't play. The agency made that clear last week at hearings in Washington before the senate agricultural committee. USDA is adamant in its desire to run the outfit despite the fact that others who back the team—industry representatives, public bodies, farm organizations and individuals—would like to see it captained by a "czar," or board of experts.

A parade of witnesses at the hearings voiced wholehearted support for three pending bills for spending upwards of $100 million annually in a stepped-up program of research. But the departmen threw cold water on the idea unless it was promised the job of running the program.

USDA States Its Objection

Acting Secretary True D. Morse, in a letter to committee chairman Allen Ellender of Louisiana, stated that establishment of an Agricultural Research and Industrial Board with the powers proposed in the legislation would create an independent agency whose activities would duplicate and conflict with those now being carried out in the department.

He said that the department is perfectly capable of carrying out the type of activities proposed in the legislation and has behind it fifteen years of effective collaboration with industry in defining the research problems.

Not only that, Mr. Morse observed, but the department has already taken steps to place greater emphasis on research in general and utilization research in particular and has scheduled $25,830,000 for spending on utilization research for the new fiscal year coming up July 1.

Both Republican and Democratic members of the senate who expressed support for the legislation agreed that it would add nothing new in the way of research authority that the department does not already possess, but insisted that the problem is one of beefing up the work in this field.

Chairman Ellender said that he is convinced that if the department really wants to undertake a vigorous research program all it needs to do is make a case for it before the congressional appropria-

—Continued on page 67

MONSANTO ASS'T DIVISION MGR: William M. Russell, director of sales for Monsanto Chemical Company's organic chemicals division, St. Louis, Mo., who on June 15 will become assistant general manager of its overseas division.

Nitromethane Shipments Stopped After Explosion

Commercial Solvents Corporation, New York, has suspended bulk shipments of nitromethane pending the outcome of an investigation of an explosion involving several railroad cars near Mt. Pulaski, Ill. on June 1.

Included in the explosion, which took place on the tracks of the Illinois Central Railroad, was a tankcar of nitromethane. According to CSC, initial reports have failed to reveal the cause of the explosion and the fire that followed it.

Although shipments of nitromethane have been suspended, movement of all other chemicals in the nitroparaffin group are continuing on schedule.

Nitric Acid Output Increased by Hercules

Hercules Powder Company has increased its concentrated nitric acid production by fifty tons a day through completion of a new unit at the company's plant in Parlin, N. J. Total daily output of nitric now is 200 tons.

Headquarters of the company in Wilmington, Del., said that significant process changes enable the new unit to produce a 99 percent concentrate of nitric acid in normal production compared to the 97 percent concentrate resulting from conventional manufacturing methods.

Utilizing magnesium nitrate as a desiccant instead of sulfuric acid, tray or plate towers instead of the historic packed towers, the improved process is said to result in lower capital costs and significant savings in operation and maintenance.

The process utilizes a vacuum flash evaporator as the water-removal step, and the product acid is completely free of sulfates as a result of the departure from the use of sulfuric acid as a dessicant.

Citric Acid Expansion Set

Miles Laboratories, Inc., Elkhart, Ind., plans to double its citric acid output through a $4.5 million expansion of production facilities in Elkhart. Construction is scheduled to begin in late summer or early fall and completion is expected in approximately one year, the company said.

Ammonium Thiocyanate Expansion Is Reported

J. T. Baker Chemical Company, Phillipsburg, N. J., has installed additional capacity for the manufacture of ammonium thiocyanate.

The company cited increasing demand from producers of nitrogen solutions and special metallurgical products as reason for the addition. Baker also has added three more aluminum tankcars to its fleet to facilitate shipment of the product.

Chemical Industry Is Making Deeper Capital Cuts

The chemical industry is slashing its spending for new plants and equipment below prior expectations. Three months ago, total capital expenditures this year were slated at $1,621,000,000; they now have been reduced to $1,388,000,000.

The revision is indicated in a survey made in late April and in May of actual expenditures during the first quarter of this year and the projected spending for each of the three remaining quarters.

Against the earlier estimated first quarter expenditures of $428 million, the latest survey shows that capital spending by the industry reached only $340 million.

For the second quarter, it is now estimated that $372 million will be invested in new plants and equipment against the earlier estimates of $415 million. For the third quarter, the spending is presently programmed at $346 million.

In 1957, the industry spent $353 million in the first quarter, $435 million in the second quarter and $440 million in the third quarter.

An announcement by the Department of Commerce and the Securities and Exchange Commission said that the downward revision in the figures for the first and second quarters this year reflected in part the severe weather conditions earlier in the year, but also adjustment of basic programs.

For industry as a whole, businessmen expect to invest $31 billion in new plants and equipment this year, or about 4 percent less than was anticipated last March and 17 percent less than the record $37 billion outlay in 1957.

Chemical Firms Get New Lights Along the Dark Path of Mergers

Chemical companies that are contemplating mergers and find themselves fearfully groping in the dark of the anti-merger laws found a welcome light coming from some new guide-posts that the Federal Trade Commission set up last week. The guides, which amount to a statement of commission policy are part of a unanimous opinion written by Commissioner Robert T. Secrest in a complaint involving Brillo Manufacturing Company, Brooklyn, N.Y.

Here is what the commissioner said:

● The fact that an acquisition significantly increases the acquiring company's already substantial share of a relevant market does not automatically establish a lessening of competition in violation of the law. Conversely, the fact that a merger affects only a small percentage of the market does not necessarily mean that the law has not been violated.

● To satisfy the requirements of law, the record must show also the facts pertaining to the relative market, including such matters as the general competitive situation, number of competitors and degree of concentration.

Cross Interlocutory Appeals

The rulings granted cross interlocutory appeals from a hearing examiner's earlier order which had partly granted and partly denied a motion by Brillo to dismiss the FTC's complaint of two year's ago.

The complaint had charged that Brillo, the nation's No. 1 producer of steel wool, violated the statute when it acquired Williams Company, London, Ohio, in July, 1955. Following presentation of evidence in support of the charges, Brillo filed its motion, contending that counsel supporting the complaint failed to make out a prima facie case.

The examiner found that in 1954 Brillo was the leading producer of industrial steel wool accounting for more than 29 percent of the market, and Williams was the No. 4 producer, accounting for better than 18 percent. Because it increased Brillo's market share to almost 50 percent, the acquisition as a matter of law substantially lessens competition in this

—Continued on page 45

Wellsville, N.Y., Offers Free Home to Industry

Is your chemical company looking for a new home?

Wellsville, N. Y., a nice little town near Buffalo, may have that home for you, set up and waiting. Here is what the town is ready to give away: an eighty-acre piece of property on the Genessee River; a 4,100 kilowatt steam electric power plant, and several brick buildings, including two two-story office structures.

Where did Wellsville get this? From Sinclair Refining Company, which is closing its refinery there because of a shortage of locally produced crude oil.

If you want to share your future with Wellsville, Mayor Leo Ludden will tell you all about it.

Upjohn Synthesizes Potent New Hormone

Provera, a powerful new hormone which may help in the prevention of miscarriage or premature birth, has been synthesized by a team of researchers at Upjohn Company, Kalamazoo, Mich.

The new hormone is believed to be the most active compound for this purpose ever known. According to clinical tests carried on by Upjohn, provera has been shown to be up to 300 times as potent as drugs now in use. Further clinical trials are now being conducted at a number of medical centers.

In an Upjohn report carried in the cur-

—Continued on page 47

Polyethylene Resins Listings Reduced by Allied Chemical

E. I. duPont de Nemours & Co., Wilmington, Del., has reduced the price of five grades of its "Elvanol" polyvinyl alcohol.

Included in the cut were: "Elvanol 72-60," down 10 cents to 57 cents per pound; "Elvanol 50-42" and "52-22," reduced 5 cents each to 83 cents, respectively; and "Elvanol 71-30" and "51-05," both cut 3 cents per pound to 64 cents.

DuPont attributed the price cuts to an attempt to broaden markets for the product.

CSC Defines Structure Of Its Terminal Prices

Commercial Solvents Corporation, New York, announces that in addition to the new methanol prices published last week, effective June 1, it is continuing to maintain a terminal pricing structure.

The previous eastern terminal price of 29½ cents per gallon, f.o.b., bulk terminal has been revised to 25 cents per gallon in a minimum of 4,000 gallon quantities. The previous west coast terminal price of 31 cents per gallon has been reduced to 29 cents per gallon, f.o.b., bulk terminal, minimum 4,000 gallons.

Commercial Solvents has bulk terminal facilities for handling methanol with ten terminal locations at New Haven, Conn.; Carteret, N.J.; Philadelphia, Pa.; Wilmington, N.C.; New Orleans, La.; Chicago, Ill.; Los Angeles, Calif.; San Francisco, Calif.; Portland, Ore., and Tacoma, Wash.

The Week's Price Changes

Ethyl Cellulose, Manilla Gum, Styrax Gum Advanced. Creosote Oil, Dammar Gum, Lead, Methanol Reduced.

Prices Advanced

Cardamoms, Guatemala green, 10c. per lb. (p. 57).
Ethyl cellulose, l.c.l., 1c. to 2c. per lb. (p. 63).
Ethyl vanillin, 35c. per lb. (p. 57).
Manilla gum, 2c. per lb. (p. 63).
Poppy seed, Dutch, 2c. per lb. (p. 57).
Styrax gum, 40c. per lb. (p. 57).
Tin, ¼c. per lb. (p. 42)
Vanillin, 15c. per lb. (p. 57).

Prices Reduced

Albumin egg, flake, 3c. per lb. (p. 60).
Blood, dried, Chicago, 25c. per unit-ton (p. 59).
Cedar leaf oil, 10c. per lb. (p. 57).
Coaltar, crude for resale, 1c. per gal. (p. 48).
Corn oil, crude, ¼c. per lb. (p. 61).
  Refd., ¼c. per lb.
Cottonseed oil, crude, ⅝c. to ½c. per lb. (p. 60).
  Refd., ⅝c. to ½c. per lb.
Creosote oil, 4c. per gal. (p. 48).
  Refd., ¼c. to ⅝c. per lb.
Dammar gum, Siam, 1c. per lb. (p. 63).
  Singapore No. 1, 1c. per lb.
Egg yolk, 4c. per lb. (p. 60).
Eucalyptus oil, 70-75%, 1c. per lb. (p. 57).
  80-85%, 1c. per lb.
Fennel seed, Argentine, 1½c. per lb. (p. 57).
Ginger, Jamaica No. 3, 1c. per lb. (p. 57).
  Nigerian split, ½c. per lb.
Lard, cash, ¼c. per lb. (p. 61).
Lead, ½c. per lb. (p. 42).
Lead oxides, ½c. per lb. (p. 63).
Linalyl acetate, ex bois de rose, 90-92%, 5c. per lb. (p. 57).
Litharge, ½c. per lb. (p. 63).
Menhaden oil, crude, ½c. to ¾c. per lb. (p. 61).
Methanol, tankcars, zone 1, 6½c. per lb. (p. 51).
Orange mineral, ½c. per lb. (p. 63).
Palm oil, 1/10c. per lb. (p. 61).
Pepper, Lampong black, ½c. per lb. (p. 57).
  Red, Japanese Santak, ¾c. per lb.
  Sudanese, 1c. per lb.
  Muntok white, ½c. per lb.
Soybean oil, crude, ¼c. per lb. (p. 61).
  Refd., ¼c. per lb.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER's relative record of prices of chemicals and related materials is currently as follows:

(100=1949 average)

June 4, 1958	May 29, 1958	June 7, 1957
109.82	109.82	110.20

Oil Producers Slam Gov't Suit

The government is in for a stiff court fight when it presses its newly-won indictment of price-fixing against twenty-nine oil producers. Rebuttals from the producers, ranging all the way from "categorical denials" to a counter-accusation of "shotgun indictment," came fast and furious last week. Socony Mobil Oil Company, New York, voiced the opinions expressed by other accused producers, in saying, "Socony Mobil has not engaged in any conspiracy on prices and has not in any other way violated the antitrust laws. An indictment is nothing more than an unproved charge. Even recognizing that fact, we are at a loss to understand the basis for this indictment."

In a more outspoken vein, Robert G. Dunlop, president of Sun Oil Company, Philadelphia, said grimly, "From what I have been told, this seems to me a preposterous shotgun indictment that surely cannot be based on any factual evidence."

The charges against the twenty-nine companies, leveled in an indictment by a federal grand jury in Alexandria, Va., accuse them of violations of section 1 of the Sherman antitrust act.

The government action developed out of events coming out of the Suez Canal crisis of 1956.

Price increases that followed, according to the government indictment, were

—Continued on page 47

ROERIG GENERAL MANAGER: George B. Stone, assistant to the president of Chas. Pfizer & Co., Brooklyn, N. Y., who has been named general manager of its J. B. Roerig & Co. division.

Diamond Alkali Affiliate Completes Mexico Additions

Additional plant facilities at Hermosillo, Sonora, Mexico, have been completed by Insecticidas Diamond del Pacifico, S.A. de C.V., an affiliate of Diamond Alkali Company, Cleveland, Ohio.

Insecticidas Diamond already operates a plant in Ciudad Obregon, Senora, Mexico. The new facilities are part of Diamond Alkali's expansion program in Mexico.

International Wax Expands

International Wax Refining Company, Valley Stream, N.Y., reports that it has acquired the ceresin, ozokerite and microcrystalline wax business of Wax Corporation of America, Brooklyn, N.Y., and Distributing & Trading Company, New York.

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RETIRING ENJAY EXECUTIVE: James G. Park, vice-president of the Enjay Company, New York, since 1935, who will retire July 1 after thirty-eight years of service with the firm.

Richfield Gets Into Petrochemicals Field

Richfield Oil Corporation is now definitely in the petrochemical field. Its entry was marked last week when the Los Angeles company put its $6.5 million benzene-toluene unit into full-scale operation at the Watson refinery.

The new unit will produce some 18 million gallons of nitration grade benzene annually, nearly doubling west coast production, Richfield reports.

The unit will also produce about 18 million gallons per year of toluene, most of which can be used as a high-octane component for gasoline. A smaller portion will be used for making solvents and other chemicals.

The unit is designed to process 6,100 barrels-per-stream-day of a select C_6-C_7 straight run gasoline fraction from the refinery.

The unit utilizes a catalytic reforming section composed of four reactors in series containing platinum catalyst, a reformate stabilizer, a fat oil still, a reformate fractionator, a Udex extraction system employing diethylene glycol solvent for aromatic recovery, a stripper, a water-wash system, clay treating towers and a benzene fractionator for separation of benzene and toluene.

The fully-instrumented unit has been designed so that a three-man crew can direct nearly all operations from a central control house.

"This is Richfield's first big step into the petrochemical field, a field with an obviously bright future," president Charles S. Jones said. "We hope the new source of supply of benzene will help to encourage more members of the chemical industry to locate in the west."

Dresser, Nat'l Lead Hearing Postponed Until 5th of July

Dresser Industries, Inc. Dallas, Tex., and National Lead Company, New York, have been granted a postponement until July 5 to answer complaints of the Federal Trade Commission of violating the FTC law by allegedly restraining trade in Barytes. The original reply days, June 3 and 5, were postponed at the request of the companies.

The commission complaints were issued in April (OPD, 4/21/58) charging that as a result of various mergers undertaken in recent years, the two companies have increased their dominant position in the industry to a point where it restrains trade in barytes unreasonably and may tend to create a monopoly in violation of the anti-merger laws.

Chemical, Construction Trades Lending Each Other Their Tools To Perfect Building Materials

The chemical industry and the construction industry, which at one time were not even casually acquainted, are working hand in hand these days and even lending their tools to each other. Result: Better building materials, better buildings, and better business for both industries. This is the idea built up last week at the spring meeting of the Commercial Chemical Development Association in Niagara Falls, N.Y.

By exchanging know-how and pursuing mutual interests, the two industries have developed a number of building materials, all chemically-based, which are making new marks in the building business, it was revealed by experts in their fields.

Prof. Walter C. Voss, a consultant on architectural construction and materials at Massachusetts Institute of Technology, dwelt on the necessity for a proper coordination of the products of the chemical industry and the needs of the building business.

Vague Methods Shake Down

Originally there had been vague concepts of introducing new materials, the speaker said, but they have pretty much shaken down to a final satisfactory method, based on research.

The first of these, he said, was the independent development by research of a product unrelated to any specific end-use and the attempt on the part of the manufacturer and the consumer to make it fit construction needs.

The second, he went on, was the taking of a product developed for use in an entirely different environment and applying it to the details encountered in a building.

The last approach has been for a manufacturer and consumer to study the functions which a product must serve and then manufacture a material which will do the job.

Prof. Voss' opinion of the last method was this:

"Much of the real progress which has been made has resulted from the third approach because it involved functions peculiar to the building industry and a deliberate urge on the part of the manufacturer to understand the complicated structure we call a building."

William Demarest, director of the plastics-in-building program of the Manufacturing Chemists' Association, spoke on the

—Continued on page 50

ARMOUR'S ORGANICS MANAGER: L. W. Miller, named to the newly-created post of sales manager for its aliphatic organic derivatives department by the chemical division of Armour & Co., Chicago.

Italian Plastics, Montecatini Helped Each Other in 1957

The Italian plastics industry—with a strong helping hand from Montecatini company, Milan—made some healthy forward strides last year.

Statistics released by Montecatini show that Italian production of plastics material climbed 13 percent over 1956 with a total output of approximately 277 million pounds. Of this total, 158 million pounds, or 57 percent, were produced by Montecatini, an increase of 17.3 percent for the company over the previous year.

Montecatini's output of plastics includes phenolics, urea-formaldehyde, polystyrene, polyethylene and polyproplene. Rises have also been reported by the company for synthetic fibers, which went up 18 percent compared to 1956. Production of Montecatini polyester fibers has increased 100 percent, the company said.

Linde Company Plans Unit

Linde Company, New York, a division of Union Carbide Corporation, is planning to build a 300-ton-a-day liquid oxygen and nitrogen plant at Pittsburg, Calif. The first section of the plant is slated for completion in June of next year, with a capacity of 115 million cubic feet monthly.

Pitts. Coke Tells Why It Boosted Plasticizers

The industrial chemical division of Pittsburgh Coke & Chemicals Company has expanded its plasticizer production 50 percent. These, the company discloses, are the reasons: the growing use of vinyl plastics in the United States economy and the company's basic position as a producer of phthalate plasticizers.

The added capacity, now on stream, represents a 50 percent expansion of the Pittsburgh, Pa., company's plasticizer production and follows a recent 100 percent increase in phthalic anhydride capacity.

Of the twenty-five United States producers of phthalate plasticizers, Pittsburgh Coke & Chemical Company is one of three integrated to the basic raw material, phthalic anhydride, according to W. K. Menke, chemical division vice-president, who also noted that at the present time consumption of phthalic anhydride in plasticizers ranks second only to its use in alkyd resins.

Bower to Offer Fungicide In Pilot Quantities June 15

Henry Bower Chemical Manufacturing Company, Philadelphia, will begin offering pilot-plant quantities of "Dy-Q-Plex-1," a new copper complex fungicide, on June 15. A fine, water-insoluble crystal, the material will be available in five-pound and twenty-five pound containers.

Field tests, says Bower, have shown the product to be effective on a wide variety of harmful organisms when used in concentrations between 0.005 and 0.05 percent, thus indicating that it may be useful as a fungicide or rodenticide. With a particle of 0.01 to 0.5 microns, the compound also seems promising as a catalyst.

Dyestuff Firms Say Gov't Charge Is Without Basis

Four corporations dealing in dyestuffs—a producer and three customers—have come out with public denials of government antitrust charges leveled against them. According to the government's complaint, Ciba Company, Geigy Chemical Corporation and Sandoz, Inc., all of New York, are wholly-owned by three foreign manufacturers of dyestuffs located in Switzerland; and Toms River-Cincinnati Chemical Corporation, Cincinnati, Ohio, is jointly-owned by the same three foreign manufacturers.

Toms River is said to be engaged in the manufacture of dyestuffs for sales exclusively to Ciba, Geigy and Sandoz, which allegedly purchases approximately 60 percent of its requirements from Toms River. The suit alleges that Ciba, Geigy and Sandoz purchase the rest of their requirements for dyestuffs from their foreign parents and from domestic manufacturers.

Denial by Ciba Head

Dr. Harry B. Marshall, president of Ciba Company, categorically denied the charges made in the complaint. In his denial Dr. Marshall stated: "Ciba Company has not agreed or concerted with any other company to devise or adopt non-competitive methods for establishing, maintaining or stabilizing the prices at which our company resells dyes bought from Toms River-Cincinnati Chemical Corporation."

Questioned about the fact that Toms River charges its four co-defendants the same price for its products, Dr. Marshall pointed out that the Robinson-Patman act requires a supplier to charge the same price for a particular commodity to all purchasers who compete with each other in its resale.

"The dye industry is highly competitive," Dr. Marshall added, "and the prices at which dyes are sold to consumers is entirely determined by the economics of supply and demand."

A statement issued by two division heads of Toms River-Cincinnati Chemical was similar in content to Mr. Marshall's denial.

The government action also includes allegations that Ciba, Geigy and Sandoz are engaged in the resale of dyestuffs to

—Continued on page 58

Sulfur Project Firms Take Their First Step

The first step has been taken—delivery of approximately ten miles of gathering system pipe—for the $8 million sulfur extraction project being undertaken jointly twelve miles southeast of Calgary, Alta., by Devon-Palmer Oils, Ltd., and Texas Gulf Sulphur Company.

Devon-Palmer said 10-inch pipe will be used to connect six proven gas wells into a gathering system which will supply the project's $6 million sulfur plant with 30 million cubic feet of raw gas per day.

A Canadian Pacific Railway spur connecting the plant site at Okotoks, Alberta, with the CPR's main line is nearing completion. Actual work on the plant will begin within the month.

The Okotoks gas area, which was discovered by Shell Oil Company in 1951, is especially rich in sulfur content, containing about 34 percent sulfur, one of the highest reported in Canada. The plant when on full stream by mid-1959, processing 30 million cubic feet of raw gas per day, will yield 12 million cubic feet of saleable residue gas, which has already been contracted for by Canadian Western Natural Gas Company, Ltd., for use in Calgary, and 370 long tons of sulfur per day.

USI Putting Color On Tankcar Fleet

U. S. Industrial Chemicals Company will soon have its fleet of 900 tankcars painted in bright, new colors for advertising and company identity reasons.

The new look is described as clean cut black on light gray with the traditional USI oval in black and red. Domes will be painted various colors to identify the type of service for which the cars are used.

Olin Tries Education Experiment—Gets an A-Plus

Olin Mathieson Chemical Corporation, one of the busy giants on the American industrial scene, has found time to go into a small town in Louisiana with an academic experiment aimed at improving science teaching in this country. After one year, the company has received an A-plus for the course.

Everyone in the town—even the school kids—is enthusiastic about it and Olin likes it so much that the company is studying ways of expanding it to other locations.

Under the plan, a select group of superior students in the town of Monroe has taken a challenging two-hour-a-day course in college-level chemistry conducted by a retired Pittsburgh, Pa., high school teacher famous for his ability to inspire youngsters.

The plan was conceived by Robert H. Evans, vice-president and general manager of the New York-based company's forest products division, and the town's largest employer. It represents a creative new approach to industry aid to education.

Details were worked out by Mr. Evans and the Monroe School Board. The Olin division contributed $10,000 directly to the school board to bring an exceptional teacher to the town.

Lon H. Colborn was selected. The year before, Carnegie Institute of Technology had thought enough of him to give him one of its rare honorary degrees.

Here is what the school's principal,

—Continued on page 47

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by

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HNI BOARD CHAIRMAN: Kenneth F. Valentine, president of Pitman-Moore Company, division of Allied Laboratories, Inc., Indianapolis, Ind., who was elected last week as chairman of the board of the Health News Institute.

Minerals Bill Hearings Get Under Way Today

The senate interior committee will start hearings today on the bill (S 3892) drafted by the administration to carry out the proposed minerals price stabilization program. The hearings are scheduled to run through most of the week.

Representatives from the industries producing the five metals and minerals directly involved in the program will be heard by the committee. These are lead, copper, zinc, tungsten and acid grade fluorspar. Secretary of the Interior Fred A. Seaton also has been asked to testify further on the program and representatives of the aluminum industry may also be heard.

Sen. Gordon Allott of Colorado has introduced a series of amendments to the bill to provide increased benefits for miners above those proposed in the legislation.

He said that on the basis of 1956 tariff receipts, approximately $10 million would be available to support the first 350 tons of production of lead and zinc for each producer.

Ira Vandewater Honored On 40 Years With Greeff

Ira Vandewater, president of R. W. Greeff & Co., was guest of honor at a cocktail party in Carlton House, New York, last week marking his fortieth anniversary with the company.

Mr. Vandewater began his career in the chemical industry in 1906 with T. M. Curtius. The following year he joined National Aniline & Chemical Company (now National Aniline Division of Allied Chemical Corporation) and remained with that firm until 1918 at which time he entered the Greeff organization.

An active figure in chemical industry affairs, Mr. Vandewater is a past-president of the Chemists' Club and of the Salesmen's Association of the American Chemical Industry.

Chemical Producers' Hopes For Transportation Tax Repeal Are Voiced by Sen. Smathers

The chemical industry should have a cut in freight rates if Sen. George Smathers has his way. The Florida senator, long a foe of the excise tax, has issued a strong request for repeal of the 3 percent excise tax on transportation of freight and the 10 percent tax on passenger traffic. Chairman of a senate committee investigating the financial plight of railroads, Sen. Smathers recommends a broad program of rehabilitation. He contends that the levies—first imposed at the outset of World War II—have outlived their original purpose to curtail unnecessary use of transportation facilities during a wartime crisis.

Five reasons are cited by the senator for repeal of the taxes. As a result of the taxes, he says:

Five Reasons for Repeal

"Transportation business is diverted from the common carriers (who must pay the 3 percent tax) to the private carriers (who are exempt), at a time when the government is seeking to help the transportation industry.

"The cost of this shift falls most heavily on those least able to bear the load—on small business as compared to big business.

"Big firms, in order to escape the 3 percent freight tax, find it profitable to buy their own trucks. The small firm can't afford to purchase a truck fleet. It must depend on the common carrier—and be subject to the tax burden.

"Producers in the south and west are particularly penalized—because of the long hauling distances involved—compared with the producers in the east. Since their freight bills are larger they are forced to pay a higher freight tax, and are put at a disadvantage in price competition.

"The tax also encourages uneconomic transfer of plants and warehouses, usually from the east, to points closer to consumer markets, even though the plants and warehouses might do a better and cheaper job where they are.

"In many instances, when the competing factors of firms within an industry are

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New Jersey Ranks No. 1 In US Organics Industry

New Jersey ranks as the nation's No. 1 organic chemicals state, with a yearly payroll running around $160.6 million. According to a survey just completed by the Synthetic Organic Chemical Manufacturers Association, the total US organics wage bill is nearly $1.18 billion.

Runner-up state, says SOCMA, is Virginia, with an organics payroll of $110.4 million. Close behind in third place is Texas, with $106.4 million.

West Virginia is the fourth-ranking organics state, with a yearly wage bill of $93.2 million.

Produce Exchange Re-Elects

The New York Produce Exchange last week re-elected Samuel R. Strisik of S. R. Strisik Company, New York, president. This will be Mr. Strisik's second term of office. Also re-elected were vice-president, James A. O'Neill of Continental Grain Company, and treasurer, Sidney Fashena of I. Usiskin & Co.

MCKESSON LABS P. A.: George Brown, appointed purchasing agent of its laboratories division at Bridgeport, Conn., by McKesson & Robbins, Inc.

Gordon Conferences Will Start Up Today

The Gordon Research Conferences, consisting of thirty-six separate sessions with approximately 100 participants in each, will get under way in New Hampshire today to stimulate a free and informal exchange of information, ideas, and opinions among outstanding scientists.

Participants include sixty-six leading research scientists from abroad, the largest pre-registration of foreign visitors ever scheduled to take part in the conferences.

They have been chosen by conference chairmen to contribute to discussions on such subjects as polymers, steroids, in-

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Streptomycin Unit in India Set by Merck, Native Firm

Merck & Co., Rahway, N.J., and Hindustan Antibiotics Private, Ltd., an Indian government-owned company, have signed a ten-year licensing agreement for the manufacture of streptomycin and dihydrostreptomycin in India.

A new plant, to be constructed next to Hindustan's penicillin plant in Pimpri, Bombay, is scheduled to go into production some time in 1960. Annual production is planned to be about 45,000 kilograms.

Living Standards People's Business, Queeny Observes

The standard of living in this country may have to be lowered in order to raise living standards in foreign countries, but if such an occurrence is to take place the American people at least have a right to know about it.

That is the thought of Edgar M. Queeny, chairman of the board of Monsanto Chemical Company, St. Louis, Mo.

Social reform may eventually make such a change in living standards desirable, even inevitable, says Mr. Queeny, but in the meantime "intellectual honesty requires that the American people be told of the goal, of the course and of its natural results."

Tariffs and Living Standards

Mr. Queeny points out that such a change as the dropping of protective tariffs would result, among other things, in a general leveling off of living standards and the people should be properly advised of this.

The opinions of the Monsanto man are voiced in a pamphlet entitled, "Who? Me? Anti-Capitalist?" It was written by Mr. Queeny and distributed through the Synthetic Organic Chemical Manufacturers Association.

Mr. Queeny's comments are in part an answer to an article in *Time* magazine which had likened high-tariff advocates to "termites swarming in spring."

The Monsanto executive charges that the magazine and economists of the New Deal school have "formed a counter-swarm to aid the administration in forcing an unwilling congress to enact another extension of the trade agreements act together with sweeping power to cut existing tariffs."

The pamphlet is also an answer to recent statements on sales and exports of the chemical industry by Adlai E. Stevenson, which Mr. Queeny labels "untruths."

Also a target of Mr. Queeny's attack is Speaker of the House Sam Rayburn, who

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HNI Elects New Officers; Fiske of Lilly Is President

Health News Institute last week elected a new set of officers. Beside a new chairman (see cut and caption elsewhere on this page), it elected A. H. Fiske president of the organization. Mr. Fiske is vice-president of Eli Li ly & Co., Indianapolis, Ind. Chet Shaw, HNI's operational head, was re-elected executive vice-president.

Three vice-presidents of the institute were also elected. They are: Dr. J. Mark Hiebert, president of Sterling Drug, Inc., New York; H. W. Blades, president of Wyeth Laboratories, division of American Home Products Corporation, Philadelphia, and James E. Allen, president of the Henry B. Gilpin Company, Washington, D. C.

S. Barksdale Penick, jr., president of S. B. Penick & Co., New York, was elected HNI treasurer. The institute's secretary is John K. Worley of Youngjohn, Worley & Brown, Detroit, Mich.

Association Meetings

American Chemical Society, national meeting, Chicago, September 7-12.

Association of Consulting Chemists & Chemical Engineers, annual meeting, Biltmore hotel, New York, October 28.

American Society for Testing Materials, annual meeting, Statler and Sheraton-Plaza hotels, Boston, Mass., June 22-27.

Chemical Market Research Association, St. Paul hotel, St. Paul, Minn. November 12-13.

Chemical Specialties Manufacturers Association, annual meeting, Commodore hotel, New York, December 9-11.

Drug, Chemical & Allied Trades section of New York Board of Trade, spring luncheon meeting, Waldorf-Astoria hotel, New York, June 17; annual meeting, Sagamore hotel, Bolton Landing, Lake George, N. Y., September 11-14.

Drug, Chemical & Allied Trades section of the Young Men's Board of Trade, annual Young Man of the Year award dinner, Park-Sheraton hotel, New York, October 16.

Electrochemical Society, 114th meeting, Chateau Laurier, Ottawa, Canada, September 28-October 2.

Federation of Paint & Varnish Production Clubs, annual convention and show, Cleveland Public Auditorium, Cleveland, Ohio, October 5-8.

Federal Wholesale Druggists' Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., September 7-10.

Food, Drug and Cosmetic Law Division of American Bar Association, annual meeting, University of Southern California School of Law, Los Angeles, August 26.

Gordon Research Conferences, Colby Junior College, New London, N. H.; New Hampton, School, New Hampton, N. H., and Kimball Union Academy, Meriden, N. H., June 9-Aug. 29.

Manufacturing Chemists' Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., June 12-14.

National Agricultural Chemicals Association, annual meeting, Bon Air hotel, Augusta, Ga., October 29-31.

National Association of Retail Druggists, annual meeting, Convention Hall, Philadelphia, September 28-October 2.

National Chemical Exposition, sponsored by Chicago section of American Chemical Society, International Amphitheatre, Chicago, September 9-12.

National Paint, Varnish & Lacquer Association, annual convention, Shoreham and Sheraton-Park hotels, Washington, D. C., October 27-29.

National Plant Food Institute, annual convention, Greenbrier hotel, White Sulphur Springs, W. Va., June 15-18.

National Plastics Exposition, sponsored by Society of Plastics Industry, International Amphitheatre, Chicago, November 17-21.

National Wholesale Druggists Association, annual meeting, Americana hotel, Bal Harbour, Fla., November 8-13.

Salesmen's Association of the American Chemical Industry, chemical sales clinic, Roosevelt hotel, New York, October 20.

Society of Chemical Industry, American section, chemical industry medal dinner, Royal York hotel, Toronto, Ont., September 18.

Society of Plastics Industry, annual national conference, Morrison hotel, Chicago, November 17-21.

Synthetic Organic Chemical Manufacturers Association, monthly luncheon meeting, Roosevelt hotel, New York, June 10.

Toilet Goods Association, annual convention, Poland Spring hotel, Poland, Me., June 25-29.

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Laboratory Data Sheet

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Dry vitamin A acetate powders
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	Type & Name	Usage	Potency (in U.S.P. units per gram)	Additive	Stability	Mesh Size
LIQUID TYPES	**P1MO** Vitamin A palmitate *(liquid)*	In tablets, aqueous dispersions, capsulated products	1,000,000	Edible oil only, for standardization	Excellent	—
	P1MO/BH Vitamin A palmitate *(liquid)*	as above	1,000,000	Edible oil plus anti-oxidants (butylated hydroxyanisole and butylated hydroxy-toluene).	Excellent	—
	P1.3 Vitamin A palmitate *(liquid)*	For oil-free prepara-tions	1,350,000 to 1,450,000	None	Excellent	—
	A1MO Vitamin A acetate *(liquid)*	In oil solutions and gelatin capsules	1,000,000	Edible oil only, for standardization	Excellent	
BEADLETS	**Type 250-S** Vitamin A palmitate *Dry Beadlets*	Water dispersible. For dry products which will be reconstituted with fluids, such as dry cereals, etc.	250,000	None	Excellent	Essentially 30-80 free-flowing, for uniform distribution in dry mixes.
	Type 500-S Vitamin D_2 *Dry Beadlets*		500,000	None	Excellent	
POWDERS	**Type 325A-32.5D** Vitamin A acetate & Vitamin D_2 *(dry)*	For tablets, capsules, vitamin-fortified powdered supplements	A—325,000 D_2—32,500	None	Excellent	40 and 60
	Type 325 Vitamin A *(dry)*		325,000	None	Excellent	40 and 60
	Type 500 *(dry)* Vitamin A acetate	For dry prepara-tions: tablets, capsules, vitamin-fortified powdered supplements	500,000	None	Excellent	40 and 60
	Type 500A-50D Vitamin A acetate & Vitamin D_2 *(dry)*		A—500,000 D_2—50,000	None	Excellent	40 and 60
SPECIAL	*For research and special production.* Type P1.8/BH (liquid) — vitamin A palmitate; 1.65 to 1.8 million U.S.P. units per gram. Type A2.9 (crystalline) — Vitamin A acetate; 2.8 to 2.9 million U.S.P. units per gram. No oil addition. Antioxidants in Type P1.8/BH: butylated hydroxyanisole and butylated hydroxytoluene. Both types need special handling.			**Packing** All Roche vitamin A is packaged to insure safety in transit and ease of handling in pharmaceutical operations.		

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CHEMICALS AND RELATED MATERIALS

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Current MARKET Quotations

Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, June 6 on large lots, f.o.b New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views. An index to the weekly market reports is to be found on page 4.

A

Abies siberica oil, cns ..... lb. 3.60 - 4.25
Acacia (see Arabic gum).
Acenaphthene, below 92.5 C. m.p., dms., works lb. .40 - —
Above 92.5 C. m.p., bbls., dms., lb. .41 - .50
Acetaldehyde, 99% dms., c.l., works. lb. .12 - —
dms., l.c.l., works ..... lb. .13½- —
tanks, works ..... lb. .10 - —
Acetaldol (see Aldol).
Acetanilide, tech., flaked, bbls., bgs., c.l., frt. alld lb. .32½- —
bbls., bgs., ton lots, frt. alld. lb. .33½- —
bbls., bgs., smaller lots, frt. alld lb. .36½- —
USP, bbls., 225-lb. dms. any quantity, lots lb. .79 - —
100-lb. dms., any quantity lb. .81 - —
Acetic acid, comi. or redist, 28%, bbls 100 lbs. 4.80 - —
56%, bbls. ..... 100 lbs. 8.25 - —
70%, bbls. ..... 100 lbs. 9.95 - —
80%, bbls. ..... 100 lbs.10.45 - —
Acetic acid, glacial, syn., CP, dms., dlvd 100 lbs.22.00 -23.00
tech., dms., c.l., dlvd ..... 100 lbs.13.75 - —
dms., l.c.l., dlvd ..... 100 lbs.14.25 - —
tanks, dlvd. ..... 100 lbs.10.00 - —
USP, cbys., incl., dlvd 100 lbs.31.00 -32.00
Acetic anhydride, aluminum ret. dms., c.l., dlvd. E. lb. .16½- —
aluminum ret. dms., l.c.l., dlvd. E. lb. .17½- —
tanks, dlvd. E. ..... lb. .14 - —
Acetoacetanilide, fib. dms., c.l., dlvd lb. .80 - —
fib. dms., l.c.l. dlvd. ..... lb. .81 - —
Acetoacet-o-chloroanilide, fib. dms., c.l., dlvd lb. 1.35 - —
fib. dms., l.c.l., dlvd ..... lb. 1.36 - —
Acetoacet-o-toluidide, fib. dms., c.l., dlvd. lb. .82 - —
fib. dms., l.c.l., dlvd. ..... lb. .83 - —
Acetone, CP, dms., c.l., dlvd ..... lb. .11 - —
dms., l.c.l., dlvd. ..... lb. .12 - —
tanks, dlvd ..... lb. .08½- —
Acetonitrile, dms., c.l., works .. lb. .45 - —
dms., l.c.l., works ..... lb. .45¾- —
Acetophenetidin, USP, dms., works, frt. equald lb. 1.22 - 1.24
Acetophenone, cns., dms ..... lb. 1.30 - 1.60
Tech., dms., l.c.l., works ..... lb. .75 - —
N-Acetyl-p-aminophenol, dms., frt. adjusted lb. 1.73 - 1.85
Acetylene black, imp., bgs., c.l., duty and freight extra lb. .19 - —
cs., l.c.l., ex whse ..... lb. .24½- .30
Acetylsalicylic acid, USP, special, makers, primary distrib., bbls., 1,000-lb. lots, point of shipt lb. .63½- —
USP, standard, fine, cryst. gran., (30-40 mesh) powd., (80 mesh) bbls., 1,000-lb. lots, same basis lb. .58½- —
Freight equald, shipt identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.
Acetyltributyl citrate, tech., non-ret dms. c.l., frt. alld. E. of Denver lb. .35½- —
non-ret dms., l.c.l., frt. alld. E. of Denver lb. .36½- —
tanks, frt. alld. E. of Denver, lb. .33 - —
Acetyltriethyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .39½- —
non-ret. dms., l.c.l., frt. alld. E. of Denver lb. .40½- —
tanks, frt. alld. E of Denver lb. .37 - —

Acids

Acid quotations, formerly grouped under one heading, are now listed individually. For example, prices on Acid, cresylic, may be found in the C's under Cresylic acid.

Aconite root, bls ..... lb. .50 - .55
Acrolein, tech., dms., c.l., works lb. .47 - —
dms., l.c.l., works ..... lb. .47½- —
tanks, works ..... lb. .46 - —
Acrylonitrile, dms., c.l., t.l., frt. equald lb. .30 - —
dms., l.c.l., t.t.l., frt. equald .... lb. .31 - —
tanks, frt. equald ..... lb. .27 - —
Adeps lanae (see Lanolin).

Abies Siberica Oil—Ammonium Bicarbonate

Adipic acid, bgs., c.l., dlvd ..... lb. .32½- —
bgs., l.c.l., dlvd ..... lb. .35 - —
Agar, USP, Kobe No. 1, strip, bls. lb. 1.90 - 2.00
powd., 30 mesh., fib., dms lb. 2.50 - —
dl-Alanine, dms., works ..... lb. 9.50 -11.00
Albumin, blood, dark (see Blood, dried, soluble).
light, dms. ..... lb. .65 - .85
Albumin, egg, edible, cryst., powd., bbls. lb. 1.26 - 1.28
flake ..... lb. 1.22 - 1.24
tech., cryst., bbls ..... lb. 1.06 - 1.10

Alcohols

Alcohol quotations, formerly grouped under one heading, are now listed individually. For example, prices on Alcohol, furfuryl, may be found in the F's under Furfuryl alcohol.

Aldol, 95%, dms., works ..... lb .23 - —
Denaturing grade, dms. ..... gal 2.15 - —
Aldrin, tech., fib dms., c.l., t.l., dlvd lb. .90 - —
fib. dms., l.c.l., dlvd. ..... lb. .95 - 1.05
Aletris root, bgs. ..... lb. 1.75 - 1.85
Algin (see Sodium alginate)
Alizarin (see 1,2-Dihydroxy anthraquinone).
Alkali blue dry, 250-lb. bbls., dlvd. E. of Rockies ..... lb. 2.38 - —
Alkali blue toner, litho flushed, 125-lb bbls., same basis. lb. 1.35 - —
Alkali blue prices 1c. higher W. of Rockies.
Allethrin, 90%, dms., frt. alld lb.28.80 -28.90
Soln., 20%, dms., 200-2,000 lb. lots, frt. alld lb 6.50 6.55
2½% dms. frt alld. ..... lb. .95 1.10
Allspice oil (see Pimento oil)
Allyl alcohol, dms., c.l., dlvd .... lb. .32½- —
dms., l.c.l., dlvd. ..... lb. .33½- —
tanks, dlvd. ..... lb. .30 - —
Allyl bromide 55-lb. cbys. 5,005 lbs. or more, works lb. 1.47 - —
55-lb. cbys. 1,045 to 4,950 lbs., works lb 1.52 - —
55-lb. cbys. 55 to 990 lbs. works. lb 1.57 - —
Allyl chloride, dms., c.l., dlvd. ... lb. .17½- —
dms., l.c.l., dlvd. ..... lb. .18½- —
tanks, dlvd ..... lb. .15 - —
Allyl isocyanate (see Mustard Oil, syn.).
Almond oil, artif., bitter (see Benzaldehyde).
Almond oil, nat., bitter, f.p.a., bots. lb. 2.75 - 3.45
NF, bots. ..... lb. 3.00 - 3.50
USP, sweet, cns., dms ..... lb. .90 - 1.40
Aloe, Cape, cs. ..... lb. .50 - —
powd., cs. ..... lb. .75 - —
Curacao, kgs. ..... lb. .60 - —
powd., kgs ..... lb. .80 - —
Aloin, USP, bbls., dms., kgs. .... lb. 3.25 - 3.75
Alphanaphthol (see a-Naphthol).
Alphanaphthylamine (see a-Naphthylamine).
Alphanitronaphthalene (see a-Nitronaphthalene).
Alphapicoline (see a-Picoline).
Alphaterpineol (see a-Terpineol).
Alphatocopherol (see a-Tocopherol).
Alum, ammonium, gran., bgs., works 100 lbs. 4.30 - —
lump, dms., works ..... 100 lbs. 5.05 - —
powd., dms., works ..... 100 lbs. 5.20 - —
USP, burnt, dms ..... lb. .20 - .21
hydrous, dms. ..... lb. .07¾- .08
Alum, potassium, gran., bgs., works. 100 lbs. 4.55 - —
lump, dms., works ..... 100 lbs. 5.30 - —
powd., dms., works ..... 100 lbs. 5.45 - —
USP, burnt., dms ..... lb. .20 - .21
hydrous, dms. ..... lb. .07¾- .08
Alum, potash-chrome, dms ..... lb. .17 - —
Alumina, calcined, bgs. c.l., works. lb. .0475- —
bgs., l.c.l., works ..... lb. .05 - .0775
Aluminum acetate, basic soln., 24%, bbls., l.c.l., works lb. .14 - —
Aluminum chloride, comi., anhyd., dms., c.l., works, frt. equald lb. .13 - —
dms., l.c.l., works ..... lb. .15½- —
cryst., dms., c.l., works 100 lbs.16.00 - —
dms., l.c.l., works. ..... 100 lbs.16.50 - —
soln 32° cbys., c.l., works lb. .0445- —
cbys., l.c.l., works ..... lb. .0520- .1290
tanks, works ..... 100 lbs. 3.45 - —
NF, gran., dms., works ..... lb. .31 - .32
Aluminum fluoride, tech., anhyd., bgs., c.l., works lb. .17¼- —
bgs., l.c.l., works ..... lb. .18¼- .20¼
Aluminum fluoride in fib. dms. 0.35c. per lb. higher
Aluminum formate, basic soln., dms., c.l., works lb. .12 - —
dms., l.c.l., works ..... lb. .12½- —
Aluminum hydrate, heavy, bgs., c.l., frt. equald lb. .0335- —
bgs. 20,000-40,000 lb. lots, same basis lb. .0360- —
bgs., 2,000-20,000 lb. lots, same basis lb. .0460- —
bulk, c.l., same basis ..... lb. .0310- —
Aluminum hydroxide, dried, USP XV, fib dms. works lb. .82½- —
fib dms., contract, works lb. .79½- —
Aluminum hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .22 - —
9-9½% Al_2O_3, fib dms., works lb. .19 - —
fib dms., contract, works lb. .18 - —
Aluminum hydroxide, tech., powd. (See Aluminum hydrate).
Aluminum metal, 99%+, ingots, 10,000-lb. lots, frt. alld lb. .2610- —
pigs, 10,000-lb. lots, frt. alld lb. .24 - —
Aluminum oxide, amorphous (see Alumina, calcined).
Aluminum paste, lining, extra-fine, dms lb. .68½- —
Standard grade, dms. ..... lb. .46 - —
Aluminum powder, lining, extra-fine, dms lb. 1.09½- —
Standard grade, dms. ..... lb. .79½- —
Aluminum paste and powder prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dms., 1½c. per lb. for 50-lb. dms., 3c. per lb. for 10 lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs. and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.
Aluminum resinate, precip., 2.1% t.t.l., dms lb. .36¼- —
Aluminum stearate, dibasic, ctns., c.l lb. .39 - —
ctns., l.c.l ..... lb. .40 - .44
Monobasic, ctns., c.l ..... lb. .39 - —
ctns., l.c.l ..... lb. .40 - .44
Tribasic, ctns., c.l ..... lb. .39 - —
ctns., l.c.l ..... lb. .40 - .44
Aluminum sulfate, coml., grd., bgs., c.l., works, frt. equald ton.41.00 - —
grd., bulk, c.l., same basis ton.40.00 - —
lump, bgs., c.l., same basis ton.44.00 - —
Coml., iron-free, bgs., c.l., works, frt. equald 100 lbs. 3.53 - —
bgs., l.c.l., works, frt. equald. 100 lbs. 3.95 - 7.95
USP, gran., dms., works ..... lb. .29 - .36
powd., dms., works ..... lb. .36 - .37
Aluminum sulfate prices $1 per ton higher in the South.
Aluminum trihydrate, heavy (see Aluminum hydrate, heavy).
Ambergris, gray, bots ..... oz. 6.50 - 7.50
p-Aminoacetanilide, frt. alld. .... lb. 1.57 - —
Aminoacetic acid, NF, bbls., frt. adjusted lb. 1.50 - 1.75
Aminoazotoluene base, bbls., 100% basis lb. 1.03 - 1.18
p-Aminobenzoic acid, tech., dry, dms., works lb. 1.72 - —
Aminoethyl ethanolamine, dms., c.l., dlvd lb. .475 - —
dms., l.c.l., dlvd. ..... lb. .485 - —
tanks, dlvd. ..... lb. .45 - —
2-Amino-2-methyl-1-propanol, dms., c.l., frt. alld lb. .44 - —
dms., l.c.l., frt. alld. ..... lb. .45 - —
tanks, frt. alld ..... lb. .42 - —
m-Aminophenol, dist., dms., ton lots. lb. 2.05 - —
dms., smaller lots ..... lb. 2.50 - —
p-Aminophenol, dms., frt. alld .... lb. 1.15 - —
Aminophylline, USP, 100-lb dms lb. 3.55 - —
p-Aminosalicylic acid, dms., 100 lbs. or more, frt. adjusted lb. 3.70 - —
Ammonia, anhyd., fertilizer, tanks, works, frt. equald ..ton.88.00 - —
refrigeration tanks works, frt. equald ton.90.50 - —
Aqueous, 29.4%, tanks, works, anhyd. basis ..ton.91.00 - —
Ammoniacal liquor (see Ammonia, aqueous).
Ammoniac, sal, gray, bgs., c.l., works, frt. equald 100 lbs. 8.25 - —
bgs., l.c.l., same basis ..100 lbs. 8.65 -12.65
Ammoniac, sal., white (see Ammonium chloride, tech.).
Ammonium acetate, purif., dms lb. .40 - —
Ammonium benzoate, USP, fib. dms., ton lots, works lb. 1.00 - —
fib dms. 1,000-lb lots, works. lb. 1.05 - —
Ammonium biborate, gran., dms., c.l., works ton.324.50 - —
dms., ton lots, ex whse ton.407.50 - —
dms., smaller lots, ex whse ton.413.50 - —
Ammonium bicarbonate, dom., dms., c.l., works 100 lbs. 7.00 - —
dms., l.c.l., works ..... 100 lbs. 9.00 - —

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	No.	number
amorph.	amorphous	djns.	demijohns	nom.	nominal
AMP	American melting point	dlvd.	delivered	o-	ortho
anhyd.	anhydrous	dms.	drums	ord.	ordinary
AOAC	Association of Official Agricultural Chemists	dom.	domestic	oz.	ounce
		E.	east	p-	para
a.p.a.	available phosphoric acid	e.p.	end point	Pac.	Pacific
approx.	approximately	equald.	equalized	pf.	proof
artif.	artificial	exp.	expressed	phos.	phosphate
ASTM	American Society for Testing Materials	Ext.	external	photo.	photographic
		F.	fahrenheit	pkgs.	packages
Atl.	Atlantic	ferment.	fermentation	powd.	powdered
Be.	Baume	f.f.a.	free fatty acid	precip.	precipitated
bbls.	barrels	f.f.c.	free from chlorine	prod.	producer
bgs.	bags	fib.	fiber	pt.	point
bls.	bales	f.o.b.	free on board	pulv.	pulverized
bots.	bottles	f.p.a.	free of prussic acid	purif.	purified
b.p.	boiling point	frt.	freight	redist.	redistilled
b.p.l.	bone phosphate of lime	gal.	gallon	refd.	refined
b.r.	boiling range	gran.	granular	refy.	refinery
bxs.	boxes	grd.	ground	reg.	regular
C.	centigrade	I.&a.	iron and aluminum	resub.	resublimed
cbys.	carboys			ret.	returnable
CD	completely denatured	i.b.p.	initial boiling point	SD	specially denatured
c.i.f.	cost, insurance, freight	imp.	imported	s.d.	single distilled
cks.	casks	incl.	included	S. E.	southeast
c.l.	carlots	indust.	industrial	sec.	secondary
cns.	cans	kgs.	kegs	secs.	seconds
coml.	commercial	l-	laevo	s.g.	specific gravity
conc.	concentrated	lacq.	lacquer	shipt.	shipment
CP	chemically pure	lb.	pound	soln.	solution
cps.	centipoises	l.c.l.	less than carlots	s.u.	standard unit
cryst.	crystalline	l.t.l.	less truckload	syn.	synthetic
cs.	cases	liq.	liquid	tanks.	railroad tankcars
ctns.	cartons	mfrs.	manufacturers	tech.	technical
cyls.	cylinders	m-	meta	tert-	tertiary
d-	dextro	m.a.p.	mixed aniline point	t.l.	truck loads
dbl.	double			t.w.	tank wagons
denat.	denatured	min.	minimum	USP	U. S. Pharmacopoeia
dest-dist.	destructively—distilled	m.p.	melting point	vis.	viscosity
dl-	dextrolaevo	N-	nitrogen	VM&P	varnish makers & painters
dist.	distilled	n-	normal	W.	west
		nat.	natural	whse.	warehouse
		neut.	neutral	w w.	water-white
		NF	National Formulary		
		NNR	New and Nonofficial Remedies		

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

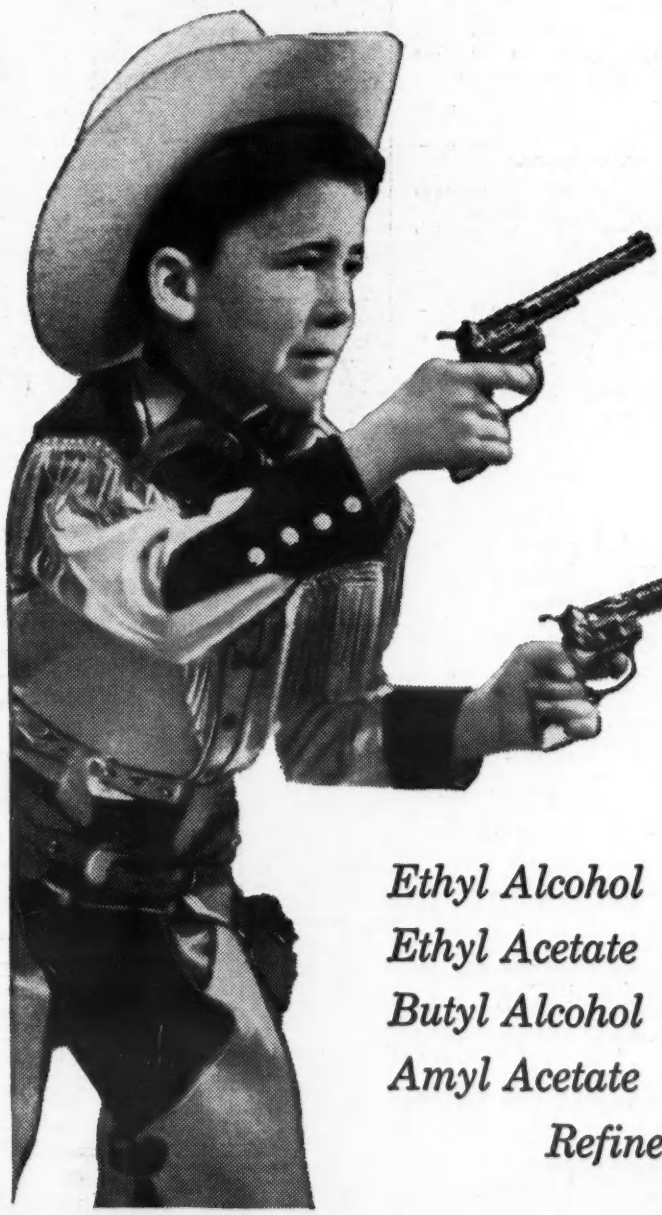
Ammonium bichromate, dms., works, lb. .42 - .43
Ammonium bifluoride, dms., dlvd lb. .2145 - .2245
Ammonium bromide, NF, gran., bbls, lb. .45 - —
Powdered ammonium bromide 10c. per lb. higher
Ammonium carbonate USP, lump, dms., c.l lb. .15¼ - —
Ammonium chloride, tech., fine gran., bgs., c.l., works 100 lbs. 5.75 - —
bgs., l.c.l., works 100 lbs. 7.75 - 8.20
USP, gran., fib. dms lb. .17¼ - —
Ammonium citrate, dibasic, bbls lb. .77 - —
Ammonium dichromate (see Ammonium bichromate).
Ammonium fluoride (see Ammonium bifluoride).
Ammonium gluconate, tech., dms. lb. .45 - —
Ammonium hydroxide (see Ammonia aqueous).
Ammonium iodide, NF dms., bots, lb. 4.26 - 4.38
Ammonium lauryl sulfate, dms., c.l., frt, alld lb. .19 - —
dms., l.c.l., frt. alld lb. .20 - —
tanks, frt. alld lb. .18 - —
Ammonium linoleate, 80%, dms., works lb. .50 - .53
Ammonium molybdate, CP, cryst., fib dms., 15,000 lbs., works lb. 1.23 - —
fib. dms., 2,000-lb. contracts, works lb. 1.23 - —
single fib. dm., works lb. 1.24 - —

Ammonium nitrate, dom., fertilizer grade, 33.5% N, bgs., western works, frt. equald, base price ton.72.00 - —
Ammonium nitrate, imp., Canadian, 33.5% N, eastern, bgs., c.l., ship't point, frt. equald to $6 ton base price ton.72.00 - —
western, bgs., c.l., f.o.b. cars, Los Angeles ton.79.69 - —
with dolomite, 20.5% N, bgs., Hopewell, Va ton.49.75 - —
Ammonium oxalate, fine gran., dms., lb. .28½ - .30½
Ammonium pentaborate, gran., bgs., c.l., works ton.193.00 - —
bgs., ton lots, ex whse ton.284.50 - —
bgs., smaller lots, ex whse ton.289.50 - —
Ammonium pentaborate powder $10 per ton higher.
Ammonium persulfate, tech., dms., 10-ton lots or more, works, lb. .18 - —
dms., smaller lots, works lb. .20 - .23
Ammonium phosphate, comi., bgs., c.l., works, frt. equald lb. .09¼ - —
bgs., l.c.l., same basis lb. .10 - —
Ammonium phosphate, dibasic, NF, V bbls., dms lb. .48 - —
Tech., bgs., c.l., works, frt. equald, lb. .09¼ - —
bgs., l.c.l., same basis lb. .10 - —
Ammonium silicofluoride, dms., works lb. .11¼ - .13¼
Ammonium sulfamate, bgs., c.l., t.l., works lb. .19 - —
bgs., l.c.l., works lb. .20½ - .27

Ammonium sulfate, coke-oven, bulk, producing ovens, base price ton.32.00 - —
purif., dms., works lb. .10 - .10½
Syn., bulk, c.l., works ton.34.00 - —
Ammonium sulfate, tech., bulk, c.l., t.l., works ton.52.00 - —
bgs., c.l., t.l., works ton.56.00 - —
bgs., l.c.l., l.t.l., works 100 lbs. 3.20 - 7.20
Ammonium sulfide, liq., 40-44%, tanks, frt. equald., 100% basis ton.160.00 - —
Ammonium sulfocyanide, tech. (see Ammonium thiocyanate).
Ammonium thiocyanate, tech., cryst., dms., c.l., works lb. .20 - —
dms., l.c.l., works lb. .22 - .26
Ammonium thioglycollate, comi., cbys., 100% basis lb. 1.35 - 1.65
Highly purif., cbys., 100% basis, lb. 1.70 - 1.96
d-Amphetamine hydrochloride, dibasic bots lb. 18.00 - 28.00
dl-Amphetamine hydrochloride, dibasic bots lb. 4.50 - 6.00
d-Amphetamine hydrochloride, monobasic, bots lb. 18.00 - 28.00
d-Amphetamine phosphate, fib. dms., 100-lb. lots lb. 14.50 - —
dl-Amphetamine phosphate bots lb. 4.50 - 6.00
d-Amphetamine sulfate, fib. dms., 100-lbs. lots lb. 16.50 - —
dl-Ampnetamine sulfate, fib. dms., lb. 4.50 - 6.00
Amyl acetate, ex fusel oil, tech., dist., from 125° to 150°C., dms., c.l., frt. alld. E. of Rockies lb. .18½ - .19
dms., l.c.l., same basis lb. .19½ - .20
tanks, same basis lb. .16 - .16½
Amyl acetate, ex pentane, reg. dms., c.l., dlvd lb. .19 - —
dms., l.c.l., dlvd lb. .20 - —
tanks, dlvd. lb. .16½ - —

Amyl acetate, syn., exc process, dms., c.l., dlvd lb. .20¼ - —
dms., l.c.l., dlvd lb. .21¼ - —
tanks, dlvd. lb. .17¾ - —
Amyl acetate, tech., dms., c.l., dlvd. lb. .17 - —
dms., l.c.l., dlvd lb. .18 - —
tanks, dlvd lb. .14½ - —
Amyl alcohol, ex fusel oil (see Fusel oil, refd.),
Amyl alcohol, ferment., refd., 128°-132°C., dms., l.c.l., dlvd lb. .43 - —
refd., ACS grade, dms., l.c.l., dlvd lb. .45 - —
Amyl alcohol, ex pentane, mixed amyls, dms., c.l., frt. alld. lb. .18½ - —
dms., l.c.l., frt. alld lb. .19½ - —
tanks, frt. alld lb. .16 - —
primary, dms., c.l., frt. alld. lb. .20¼ - —
dms., l.c.l., frt. alld lb. .21¼ - —
tanks, frt. alld lb. .17¾ - —
sec-synthetic, dms., c.l., works, frt. alld lb. .19 - —
dms., l.c.l., works lb. .20 - —
tanks, works lb. .17 - —
tert-synthetic, dms., c.l., frt. alld. E lb. .18½ - —
dms., l.c.l., frt. alld E lb. .19½ - —
tanks, frt. alld. E lb. .16 - —
Amyl alcohol, 1-pentanol (syn. normal), dms., c.l., works lb. .41½ - —
dms., l.c.l., works lb. .42½ - —
tanks, works lb. .39½ - —
Amyl alcohol, 2-pentanol, dms., c.l., works lb. .65 - —
dms., l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
Amyl n-butyrate, dms lb. 1.00 - 1.25
Amyl cinnamic aldehyde, dms lb. 1.75 - 2.20
o-tert-Amyl phenol, dms., c.l., works. lb. .49½ - —
dms., l.c.l., works lb. .50½ - —
tanks, works lb. .47 - —
p-tert-Amyl phenol, dms., c.l. works. lb. .26¾ - —
dms., l.c.l., works lb. .27¾ - —
Amyl salicylate, cns., dms lb. .82 - 1.10
Amyris oil, dms lb. 1.30 - 1.40
Anethole, cns., dms lb. 1.25 - 1.70
Tech., dms. lb. .85 - .90
Angelica root, dom., bls lb. .60 - .65
Angelica root oil, bots lb. 120.00 - 130.00
Angelica seed oil, bots. lb. 120.00 - 130.00
Aniline, dms., c.l., frt. alld lb. .20 - —
dms., l.c.l., frt. alld lb. .21 - —
tanks, frt. alld lb. .18 - —
Aniline oil (see Aniline).
Aniline salt, dms., c.l., truckloads, 20,000 lbs. min., frt. alld. lb. .33 - —
dms., l.c.l same basis lb. .35 - —
Anise oil, USP, dms. lb. 2.00 - 4.05
Anise seed, Mexican, bgs lb. .17 - —
Spanish, bgs. lb. .18½ - —
Anisic aldehyde, dms lb. 1.85 - 2.20
o-Anisidine, dms., c.l., frt. alld lb. .80 - —
dms., l.c.l., same basis lb. .82 - —
tanks, same basis lb. .78 - —
p-Anisidine, dms., works lb. .97 - —
Anthracene, 90-95%, dms., c.l., t.l., f.o.b., works lb. .42½ - —
dms., l.c.l., minimum shipment 1,000 lbs., same basis lb. .45 - —
Anthranilic acid, 99%, 150-lb. dms., dlvd lb. 1.15 - —
Anthraquinone, 99.5%, bbls., c.l., frt. alld lb. .83 - —
bbls., l.c.l., same basis lb. .86 - —
Electrical grade, bbls., l.c.l., same basis lb. 1.10 - —
Antimony butter (see Antimony trichloride).
Antimony metal, bulk, c.l., mines lb. .29 - —
cs. c.l., mines lb. .29½ - —
Antimony oxide, bgs., c.l., frt. alld. lb. .24½ - —
bgs., l.c.l., frt. alld. lb. .26 - —
Antimony sulfide, approx. 65%, bgs., 10,000-lb. lots., dlvd lb. .23 - —
bgs., smaller lots, dlvd lb. .24 - .26
Antimony trichloride, annyd., solid, pails, c.l., works lb. .41 - —
pails, l.c.l., works lb. .43 - —
Antimony-potassium tartrate, tech., powd., 250-lb. dms lb. .69½ - —
USP, powd., 250-lb. dms. lb. .74½ - —
Antipyrine, NF, 200-lb. bbls lb. 3.50 - —
Apomorphine hydrochloride USP 25-oz. lots oz. 35.60 - —
Apricot kernel oil, USP, dms lb. .85 - 1.10
Arabic gum, amber, sorts, bgs. lb. .21 - .23
USP, powd., bbls. lb. .26 - .29
Areca nuts powd., bbls. lb. .13 - —
Arecoline hydrobromide, NF, bots., tins oz. 4.50 - 6.00
l-Arginine, free base, dms., 10-kilo lots or more kilo. 90.00 - —
l-Arginine glutamate, dms., 10-kilo lots or more kilo. 60.00 - —
l-Arginine monochloride, dms., 10-kilo lots or more kilo. 60.00 - —
Arnica flowers (true Montana), bls. lb. 1.40 - 1.50
Arsenic, crude (95%), bulk, c.l., works lb. .016 - —
bbls., c.l., works lb. .031 - —
Arsenic trioxide, USP, dms lb. .48 - —
Arsenic, white, powd., bbls., c.l., works lb. .04½ - —
bbls., l.c.l., works lb. .06½ - .07¼
Arsenous acid, tech (see Arsenic, white).
Arsenous acid, USP (see Arsenic trioxide).
Arylid maroons, deep shades, bbls. lb. 3.70 - —
Light shades, bbls lb. 2.85 - —
Maroon shade, bbls lb. 3.70 - —
Asafetida gum, cns. lb. .40 - —
Powd., bbls., dms lb. .85 - —
Asbestine (see Talc, fibrous, New York).
Asbestos, Canadian crude, 6D, c.l. (30 tons), mines ton.86.00 - —
7D, c.l. (30 tons), mines ton.75.00 - —
7F, c.l. (30 tons), mines ton.71.00 - —
7H, c.l. (30 tons), mines ton.61.00 - —
7K, c.l. (30 tons), mines ton.50.00 - —
7M, c.l. (30 tons), mines ton.44.00 - —
7R, c.l. (30 tons), mines ton.43.00 - —
7RF, c.l. (30 tons), mines ton.44.00 - —
7T, c.l. (30 tons), mines ton.44.00 - —
7TF, c.l. (30 tons) mines ton.44.00 - —
Asbestos prices are in Canadian funds; l.c.l. lots $4 per ton higher.
Ascorbic acid, USP, dms., 25-100 kilo lots kilo.10.00 - —
dms., 10-kilo lots kilo.10.35 - —
dms., 5-kilo lots kilo.10.75 - —
bots., 1-kilo lots kilo.12.00 - —
bots., 500-gram bots kilo.12.50 - —
Ash black (see Barium sulfide).
Asphalt, gilsonite, black jet, bgs., c.l., mines ton.40.00 - —
ex-whse, N. Y., N. J. ton.83.56 - 86.50
seconds, 300°-390° F. fusing pt., bgs., c.l., mines ton.35.00 - —
select, 350° F. fusing pt., bgs., c.l., mines ton.41.00 - —
270°-295° F. fusing pt., bgs. c.l., mines ton.40.00 - —
Asphalt, manjak No. 10 crude, dms., works lb. .06¼ - —
Asphalt, petroleum, cut-back, tanks, tankwagon, refy gal. .09 - —
emulsion tanks, tankwagon, refy. gal. .09¼ - —
steam-refd., 50-80 penetration, tanks, tankwagon, refy ton.21.00 - —
85-300 penetration, tanks, tankwagon, refy ton.20.00 - —

sure as sh◎tin'



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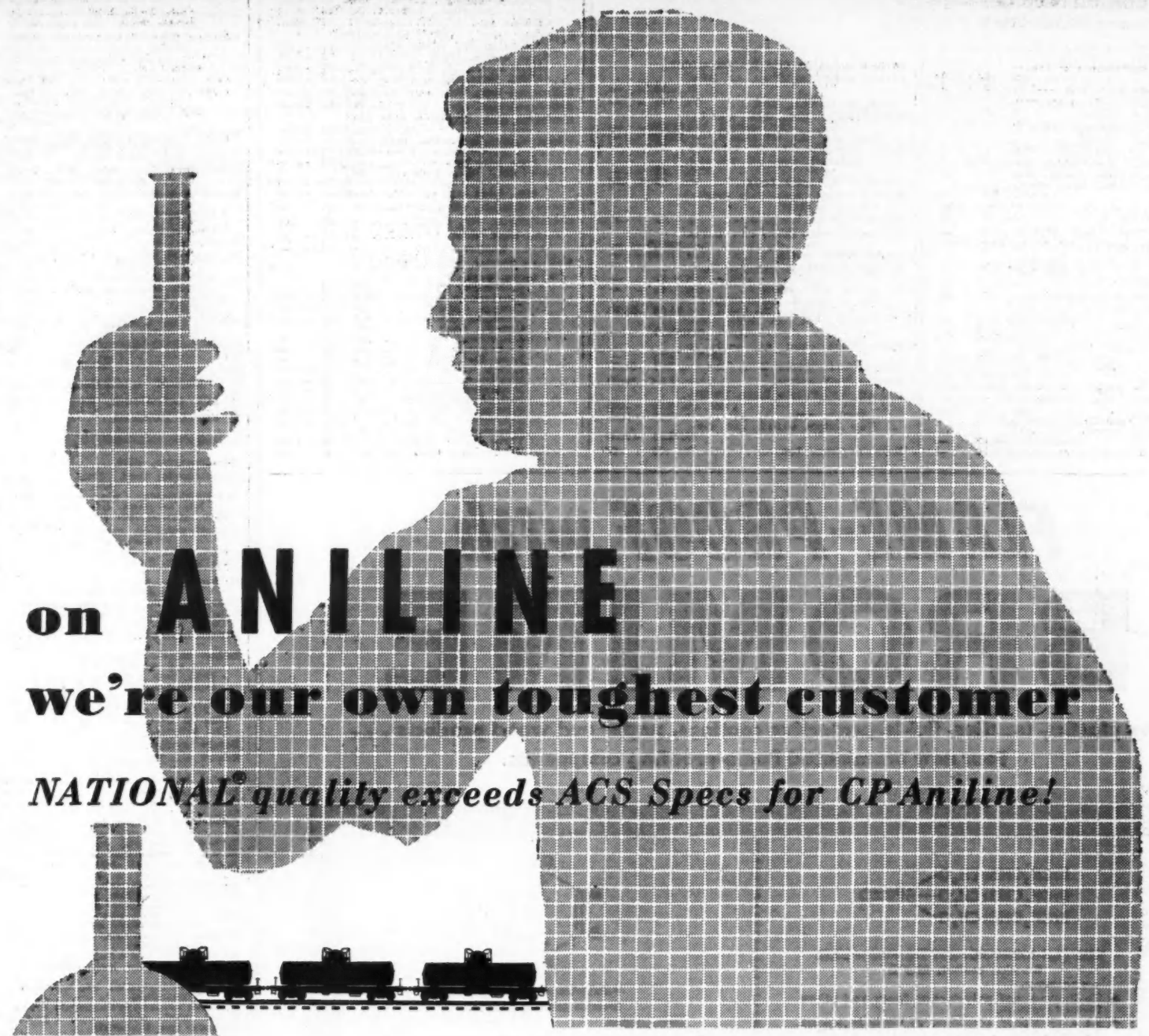
FOR UNIFORM QUALITY

FOR STEADY SUPPLY

FOR PROMPT DELIVERY

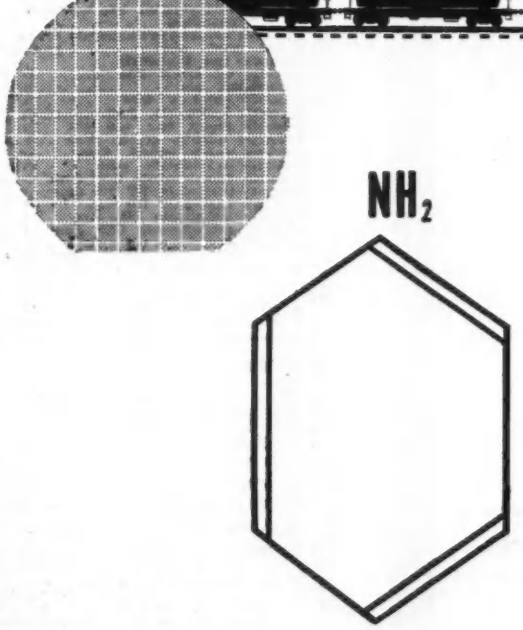
Ethyl Alcohol *Acetone*
Ethyl Acetate *Acetaldehyde*
Butyl Alcohol *Acetic Acid*
Amyl Acetate *Butyl Acetate*
Refined Fusel Oil

PUBLICKER INDUSTRIES Inc.
1429 WALNUT STREET, PHILADELPHIA 2, PA.
NEW YORK • NEW ENGLAND • MIDWESTERN DISTRIBUTORS, PUBLICKER ALCOHOL & CHEMICAL SALES CORP.
PHILADELPHIA—LOCUST 4-1400 • NEW YORK—OXFORD 5-4160 • BOSTON—HOMESTEAD 9-0023
CHICAGO—RANDOLPH 6-6678.



on ANILINE we're our own toughest customer

NATIONAL® quality exceeds ACS Specs for CP Aniline!



As made and as delivered, there's no higher quality Aniline than we ship from our Moundsville, W. Va. plant. That's not advertising puffery. It's solid demonstrable fact. Here's why.

Our aniline is made in modern twin, continuous catalytic-hydrogenation units by a patented process developed out of our 74-year experience in aniline manufacture. As made, it is water white (Barrett Standard 1.0), pure (99.9%) and dry (moisture .04%). Those are shipping specs but we regularly load cars analyzing as high as 99.95+%.

To minimize the color degradation inherent in aniline, we make *and ship* continuously. Even our branch warehouse drum-stocks are under perpetual inventory control to assure optimum quality as delivered.

If you use aniline, let us quote on your next order. Remember: Aniline is Our Middle Name!

Allied Chemical

NATIONAL ANILINE DIVISION ALLIED CHEMICAL CORPORATION

40 Rector St., New York 6, N. Y. • Akron Atlanta Boston Charlotte Chattanooga Chicago
Greensboro Los Angeles New Orleans Philadelphia Portland, Ore. Providence San Francisco Toronto

Aspirin (see Acetylsalicylic Acid)
Atropine, NF, tins ..... oz. 5.75 - 6.50
Atropine sulfate, USP, bots ..... oz. 5.00 - 5.50
Avocado oil, cns ..... lb. 3.00 Nom.

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units. .65 - —
less than 1,000,000,000 units. 50,000 units. .70 - —
Balm of Gilead buds dried, bgs lb. 1.25 - 1.35
Barberry root bark, bgs ..... lb. .28 - .30
Barbital, NF, 100-lb. dms ..... lb. 4.50 - —
Barbital sodium, NF dms ..... lb. 4.75 - —
Barium carbonate precip, bgs. c.l. works ton.111.50 - —
bgs., smaller lots, works ton.126.50 - —
Barium chlorate dms. works lb 32 - .41
Barium chloride anhyd. bgs. c.l., works ton.176.00 - —
bgs., l.c.l., works ..... ton.186.00 - —
Barium chloride, NF, cryst., 100-lb. dms lb. .22 - —
Tech. cryst., bgs. c.l. works. 100 lbs. 7.00 - —
bgs., l.c.l., works ..... 100 lbs. 8.00 - —
Barium chromate, bgs., frt. equald. lb. .38 - —
Barium dioxide (see Barium peroxide).
Barium hydrate, cryst., bgs., c.l., t.l., frt. equald ..ton.208.00 - —
bgs., l.c.l. t.t.l., frt. equald ..ton.218.00 - —
Barium monoxide (see Barium oxide).
Barium nitrate bbls. c.l. t.l. dlvd. lb. .16 - —
bbls., l.c.l., t.t.l., dlvd ..... lb. .17 - —
Barium oxide, grd., dms., c.l. t.l. frt. equald ton.275.00 - —
dms. l.c.l. t.t.l. frt equald ton.285.00 - —
Barium peroxide dms. frt. equald lb .20 - —
Barium stearate, ctns. c.l., frt. alld. lb. .41 - —
ctns., l.c.l., same basis ..... lb. .42 - .46
Barium sulfate, tech. (see Barytes and blanc fixe).
Barium sulfate, X-ray, dms. .. lb. .15 - .15½
Barium sulfide, dms., c.l., works. ton.100.00 - —
dms., l.c.l., works ..... ton.110.00 - —
Barytes, southern off-color, bgs. mines ton.25.00 - —
95-75% bgs. mines ton.25.00 - —
white, water-grd., paper bgs. c.l., St. Louis ton.55.00 -55.25
paper bgs., ex whse, New York ton.79.85 - —
Battery acid, cbys. c.l., works, E. 100 lbs 2.35 - —
cbys., l.c.l., works E ..... 100 lbs. 2.65 -10.95
Bauxite, bulk, mines ..... ton. 7.00 -10.00
Bay oil, NF, Puerto Rican, 50-55%, cns .lb. 2.10 - 3.05
55-60%, cns. ..... lb. 2.50 - 3.05
West Indian, 50-55%, cns. dms., lb. 1.95 - 3.00
Bayberry wax, bgs ..... lb. .45 - .47
Beeswax, crude, African, bgs .... lb. .57 - .58
Brazilian, bgs. ..... lb. .67 Nom.
Central American, bgs ..... lb. .60 Nom.
Chilean, bgs. ..... lb. .67 Nom.
Beeswax, refd., USP, bleached, white, bricks, 100-lb. ctns. lb. .73 - .75
white, slabs, 100-lb. ctns ... lb. .72 - .74
yellow bricks, 100-lb. ctns ... lb. .67 - .69
yellow, slabs, 100-lb. ctns ... lb. .66 - .68
Belladonna leaf, bls. ..... lb. .30 - —
Belladonna root, bls ..... lb. .30 - —
Bentonite, dom., 200 mesh, bgs., c.l., mines ton.14.00 - —
imp., Italian, white, high gel., bgs., 5-ton lots, ex whse ton.91.00 - —
bgs., 1-ton lots, ex whse ton.94.00 - —
low gel., bgs., 5-ton lots ex whse ton.89.35 - —
bgs., 1-ton lots, ex whse ton.92.35 - —
Benzal chloride, cbys., works ... lb. .44 - —
Benzaldehyde, NF, dms ..... lb. .80 - .86
Tech., cbys., dms., t.l. ..... lb. .43 - —
cbys., smaller lots ..... lb. .44 - —
Benzene, coaltar, pure or nitration, tanks, works:
Bethlehem, Pa ..... gal. .36 - —
Birmingham district ..... gal. .36 - —
Chicago district ..... gal. .36 - —
Cleveland district ..... gal. .36 - —
Geneva, Utah ..... gal. .36 - —
Johnstown, Pa ..... gal. .36 - —
Lackawanna, N. Y ..... gal. .36 - —
Lone Star, Tex ..... gal. .36 - —
Lorain, Ohio ..... gal. .36 - —
Middletown, Ohio ..... gal. .36 - —
Minnequa, Colo ..... gal. .36 - —
Philadelphia district ..... gal. .36 - —
Pittsburgh district ..... gal. .36 - —
Sparrows Point, Md ..... gal. .36 - —
Syracuse, N. Y ..... gal. .36 - —
Terre Haute, Ind ..... gal. .36 - —
Youngstown, Ohio ..... gal. .36 - —
Benzene, petroleum, Houston, Tex., tanks gal. .36 .38
Benzene hexachloride, 25% and 99% gamma isomer (see Lindane).
Benzene hexachloride, tech. high gamma, dms., c.l., dlvd. gamma unit-lb. .00825- —
dms. l.c.l., works gamma unit-lb. .009 .0095
low gamma, dms., c.l., dlvd. gamma unit-lb. .00825- —
dms. l.c.l., works. gamma unit-lb. .009 —
Benzidine hydrochloride, bbls., c.l., frt. alld., 100% basis lb. 1.19 - —
bbls., l.c.l. same basis lb. 1.21 - —
Benzidine sulfate, tech., bbls., frt. alld., 100% basis lb. 1.21 - —
Benzidine yellow AAA bbls., dlvd. lb. 2.30 - —
AAOT, bbls., dlvd. ..... lb. 2.55 - —
Lightfast, bbls., dlvd. ..... lb. 3.40 - —
Benzocaine dms ..... lb 3.48 3.50
Benzoic acid, tech. c.l., t.l., frt. alld. lb .37 - —
ton lots, same basis ..... lb. .41 - —
1,000-lb. lots, same basis .... lb. .43 - —
USP, ton lots ..... lb. .48 - —
1,000-lb. lots ..... lb. .50 - —
Benzoin gum Sumatra cs ..... lb .33 —

Benzol

Benzol quotations, both coaltar and petroleum, may now be found under Benzene.

Benzophenone, dms ..... lb 1.40 1.70
Benzotriazole, tech. dms., 1,000-lb. lots, works lb 2.25 - —
Benzotrichloride, cbys. 1,000-lb. lots or more, frt. equald lb. .21 - —
cbys., smaller lots, frt. equald lb. .23 - —
Benzoyl chloride, cbys., dms., c.l., works frt equald lb. .22 - —
cbys. l.c.l. same basis lb .23 - —
tanktrucks, dlvd., Metropolitan area, lb. .21 - —
Benzoyl peroxide, purif., fib dms., 50 to 1,000-lb lots works lb. .98 1.08
Benzyl acetate, f.f.c. cns. dms lb. .65 .79
Benzyl alcohol, NF, dms lb. .65 .80
Tech., dms., dlvd ..... lb. .47½- .65
Benzyl benzoate, NF, 40-lb. dms., lb. .68 - —
Benzyl chloride, tech., cbys., dms., c.l., works, frt. equald lb. .22½ .25½
cbys. dms., l.c.l. same basis lb. .23½ .25½
tanktrucks, dlvd. Metropolitan area lb .21 —

A 2½c. differential is quoted on benzyl chloride in 5-gal. cbys. In steel dms. prices are ½c. lower.

Benzyl cinnamate, cns ..... lb. 3.30 - 3.60
Benzyl dimethylamine, dms., works. lb 2.25 —
Benzyl formate, cns ..... lb. 1.85 - 2.10
Benzyl isoeugenol, cns ..... lb 9.85 —
Benzyl propionate, bots. ..... lb 1.35 1.65
Benzyl salicylate, bots ..... lb 1.60 1.85
Benzylidine acetone, bots ..... lb. 1.75 1.80
Benzylidine chloride, (see Benzal chloride).
Berberine bisulfate, cns. ..... lb.35.00 -36.25
Berberine hydrochloride, bots. lb.35.00 -36.25
Bergamot oil, nat, NF Italian, cns lb.12.75 -13.75
Betagammapicoline (see b.g-Picoline).
Betahydroxynaphthoic acid (see b-Oxynaphthoic acid).
Betaoxynaphthoic acid (see b-Oxynaphthoic acid).
Betamethylnaphthalene (see b-Methylnaphthalene).
Betanaphthol (see b-Naphthol)
Betanaphthylamine (see b-Naphthylamine).
Betaphenylethylamine (see b-Phenylethylamine)
BHC (see Benzene hexachloride, tech.).
Biotin, cryst. bots ..... gram.10.00 - —
Biphenyl (see Diphenyl).
Birchtar oil, crude, cns ..... lb. 1.50 1.90
Rectified, cns ..... lb. 1.75 1.85
Bismuth chloride, fars ..... lb 5.11 —
Bismuth hydroxide, dms ..... lb. 4.60 - 4.65
Bismuth metal, bxs. ton lots .. lb 2.25 —
Bismuth nitrate, cryst., dms .... lb. 2.08 - 2.17
Bismuth oxide, anhyd., dms. ... lb 4.47 5.05
Bismuth oxychloride, dms. ... lb. 4.37 4.42
Bismuth subcarbonate, USP dms lb 3.20 - —
Bismuth subgallate NF fib. dms lb. 3.15 - —
Bismuth subiodide, fib. dms ... lb 5.37 - —
Bismuth subnitrate, NF, dms. ... lb 2.65 - —
Bismuth subsalicylate USP dms lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., fars lb. 4.22 - —
Bisphenol-A, bgs. c.l., t.l., frt. alld. lb. .30 - —
bgs. l.c.l., same basis ..... lb. .31 - —
Blackberry root bark, bls ..... lb. .50 - .55
Black haw root bark, bls ..... lb. .63 - .65
Black haw tree bark, bls ..... lb. .45 - .50

Black Pigments

Black pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Black, acetylene, may be found in the A's under Acetylene black.

Blanc fixe, direct process, bgs., c.l., works ton.115.00 - —
bgs., l.c.l., works ..... ton.125.00 - —
bgs., l.c.l., New York whse ..ton.169.00 - —
Blood, dried, 16-16½% ammonia New York ..unit-ton. 6.50 - —
high-grade, unground, 16-17% ammonia, bgs., Chicago unit-ton. 7.25 - —
Blood, dried, soluble, bgs., c.l lb. .13 - .14
bgs., t.l. ..... lb. .15 - .17
bgs., l.t.l. ..... lb. .15½- .35½
Bloodroot, bls ..... lb. .48 - .50

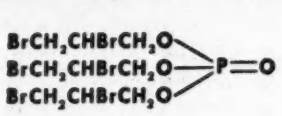
Blue Pigments

Blue pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Blue, ultramarine, may be found in the U's under Ultramarine blue.

Blue dyes (see Dyes).
Blue vitriol (see Copper sulfate).
Bois de rose oil, Brazilian, dms. .lb. 2.80 - 3.75
Peruvian, dms. ..... lb. 3.10 - 2.40

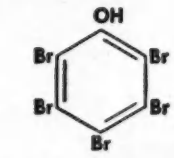
FLAME-PROOF with BROMINE

For plastics, textiles, fluids, protective coatings, paper and wood products . . .
Four new brominated flame-proofing compounds.



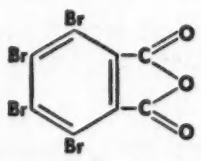
TRIS (2,3-DIBROMOPROPYL) PHOSPHATE
Bromine content: 68.7%

APPLICATIONS:
- To flame-proof polystyrene foam and other foamed systems.
- As a secondary plasticizer in vinyls to impart flame-retardancy.
- To flame-proof cotton and rayon.
- Outstanding flame-proofing properties may be produced in cutting oils.
- As a flame-proofing additive in spray-coating lacquers for paper and wood products.
- High dielectric constant suggests its use in the electrical field (transformers, switches, potting formulations).



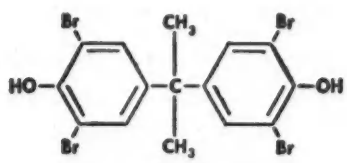
PENTABROMOPHENOL
Bromine content: 81.8%.

APPLICATIONS:
- To flame-proof wall board, piers, telephone poles and other structural wood forms.
- To provide termite control in wood structures.
- As the flame-proofing agent in phenolic resins.
- Presents promise in anti-fouling paints for marine applications.
- As a mildew preventative in resins.



TETRABROMOPHTHALIC ANHYDRIDE
Bromine content: 68.9%

APPLICATIONS:
- As a flame-proofer in the manufactuer of polyamide resins for electrical insulation.
- Can be reacted with polyhydric alcohols to impart flame-proof properties in polyester resins and in the manufacture of alkyd resins for protective coatings.
- As a curing agent in the manufacture of epoxy resins.
- In the manufacture of novel phthalein dyes.



TETRABROMOBISPHENOL-A
Bromine content: 58.8%

APPLICATIONS:
- In the manufacture of flame-proof epoxy foams and coatings.
- To reduce flammability in polyurethane and styrene foams.
- May lead to flame-proof polyester resins by reaction with dibasic acids.
- May give unusual polycarbonate resins.

BROMINATED COMPOUNDS are several times more efficient than their chlorine analogs for flame-proofing. This superiority is fundamental rather than one of degree, and it is why these compounds may increase the fire-resistance of your plastics, textiles, fluids, protective coatings, paper and wood products.

The flame-proofing advantages of these new Michigan Chemical compounds permit the use of smaller quantities than would be required with chlorine compounds. As a result, there will be less disturbance of the physical properties and appearance of the end product.

Michigan Chemical can now furnish testing quantities of these new compounds. Your letterhead request for samples or data will receive prompt attention.

*Reg. U. S. Pat. Off.

MICHIGAN CHEMICAL CORPORATION
599 North Bankson Street, Saint Louis, Michigan
EASTERN SALES OFFICE: 230 Park Avenue • New York 17, New York

C-58-6

BON acid maroons, pure, bbls lb 1.75 · —
Resinated, bbls lb 1.50 · —
Bone black, dms., l.c.l., frt. alld. lb. .13 · .22¾
Pacific coast bone black prices 2c. per lb. higher.
Bonemeal, steamed, works, E ton.65.00 · —
Bone phosphate, defluorinated of lime (see Defluorinated phosphate).
Bone phosphate, precip (see Calcium phosphate, tribasic)
Borax, tech., anhyd., 99½%, bgs., c.l., works ton.87.50 · —
bgs., ton lots, ex whse, New York or Chicago ton.143 75 · —
bgs., smaller lots, same basis. ton.148.75 · —
bulk, c.l., works ton.78.50 · —
gran., decahydrate, 99½%, bgs., c.l. works ton.47.50 · —
bgs., ton lots, ex whse New York or Chicago ton.103 75 · —
bgs., smaller lots, same basis. ton.108.75 · —
bulk, c.l., works ton.41.00 · —
gran., pentahydrate, 99½%, bgs., c.l., works ton.63.00 · —
bgs., ton lots ex whse New York or Chicago ton.119.25 · —
bgs., smaller lots, same basis. ton.124.25 · —
bulk, c.l., works ton.56.50 · —
Borax, tech., powd., 99½%, bgs., c.l., works ton.52.50 · —
bgs., ton lots, ex whse New York or Chicago ton.108 75 · —
bgs., smaller lots, same basis, ton.1°3.75 · —
USP borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. pt.
bgs., l.c.l same basis lb. .19 · .26
Boric acid, tech., anhyd., 99.9%, bgs., c.l., works ton.335.00 · —
bgs., ton lots ex whse, New York or Chicago ton.390.00 · —
bgs., smaller lots, same basis. ton.415.00 · —
cryst., 99.9%, bgs., c.l., works. ton.133.50 · —
bgs., ton lots, ex whse New York or Chicago ton.190 75 · —
bgs., smaller lots, same basis. ton.195 75 · —
dms., c.l., works ton.158.00 -178 00
dms., ton lots, ex whse New York or Chicago ton.215.25 -235.25
dms., smaller lots, same basis. ton.220.25 -240.25
gran., 99.9%, bgs., c.l., works. ton.108.50 · —
bgs., ton lots, ex whse, New York or Chicago ton.165.75 · —
bgs., smaller lots, same basis. ton.170.75 · —
dms., c.l., works ton.133.00 -153.00
dms., ton lots, ex whse New York or Chicago ton.190.25 -210.25
dms., smaller lots, same basis. ton.195.25 -215.25
bulk, c.l., works ton.102.50 · —
powd., 99.9%, bgs., c.l., works ton.113.50 · —
bgs., ton lots, ex whse New York or Chicago ton.170.75 · —
bgs., smaller lots, same basis. ton.175.75 · —
dms., c.l., works ton.138.00 -158 00
dms., ton lots, ex whse New York or Chicago ton.195.25 -215.25
dms., smaller lots, same basis. ton.200.25 -220.25
USP boric acid $25 per ton higher.
Borneol, cns lb 2.75 · —
Boron trichloride, CP, 1,800-lb. cyls., works lb 1.25 · —
100-lb. cyls., works lb. 1.70 · —
Boron trifluoride gas, cyls, truckload, works lb. .62 · —
cyls., l.t.l., works lb. .70 · —
Brazilwood extract (see Hypernic extract)
Brimstone (see Sulfur).
Broenner's acid, bbls lb. 1.76 · —
Bromine, purif., cs., c.l., t.l., dlvd. E of Rockies lb. .32 · —
cs., l.c.l., same basis lb. .34 · .39
ret., dms., c.l., t.l., dlvd. E. of Rockies lb. .31 · —
ret., dms., l.c.l. same basis lb. .31 · .34
tanks, same basis lb. .22½ · —
Bromochloromethane, dms., c.l., frt. equald lb. .48 · —
dms., l.c.l., same basis lb. .50 · —
tanks, same basis lb. .47 · —
Bromoform, pharmaceutical grade, 100-lb chys lb. 1.80 · 1.90
Bromstyrol, bots lb. 5.45 · 5.70
Brucine, cns., 100-oz. lots oz. .72 Nom.
Brucine sulfate, NF, cns., 100-oz. lots oz. .69 Nom.
Buchu leaves, bls lb. 1.20 —

Brown Pigments

Brown pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Brown, iron oxide, may be found in the I's under Iron oxide brown.

Butadiene, reid. cyls., c.l., refy lb. .21 · —
cyls., l.c.l., refy lb. .22 · —
tanks, contract, refy. lb. .14½ · .15
Butane, indust., tanks, group 3 gal. .04 · —
n-Butyl acetate, ferment, dms., c.l., frt. alld lb. .17 · —
dms., l.c.l., same basis lb. .18 · —
tanks, same basis lb. .14½ · —
Syn., dms., c.l., dlvd. E lb. .17 · —
dms., l.c.l., same basis lb. .18 · —
tanks, same basis lb. .14½ · —
sec-Butyl acetate, syn., dms., c.l., dlvd. E lb. .14¾ · —
dms., l.c.l., same basis lb. .15¾ · —
tanks, same basis lb. .12¼ · —
n-Butyl acrylate, dms., c.l. or t.l., straight or mixed, frt. alld. E. lb. .57½ · —
dms., l.t.l., same basis lb. .58½ · —
tanks, same basis lb. .55 · —
Prices of n-butyl acrylate are 1½c. per lb. higher in Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Butyl alcohol, ferment, dms., c.l., frt. alld lb. .17 · —
dms., l.c.l., frt. alld lb. .18 · —
tanks, frt. alld lb. .14½ · —
Syn., dms., c.l., dlvd lb. .17 · —
dms., l.c.l., dlvd lb. .18 · —
tanks, dlvd lb. .14½ · —
Butyl alcohol, sec-synthetic, dms., c.l., dlvd lb. .18 · —
dms., l.c.l., dlvd. lb. .18 · —
tanks, dlvd lb. .12¼ · —
Butyl alcohol, tert-synthetic, dms., c.l., frt. alld. dlvd. E lb. .14¾ · —
dms., l.c.l., same basis lb. .15¾ · —
tanks, same basis lb. .12¼ · —

Butyl aldehyde (see Butyraldehyde).
Butyl chloride, dms., c.l., works lb. .37½ · —
dms., l.c.l., works lb. .38¼ · —
n-Butyl ether, dms., c.l., works lb. .35¼ · —
dms., l.c.l., works lb. .36 · —
tanks, works lb .33¼ · —
Butyl lactate, dms., c.l., frt. alld. E. of Rockies lb. .42½ · —
dms., l.c.l., same basis lb. .43½ · —
tanks, same basis lb. .40 · —
Butyl laurate, dms., works lb. .37½ · —
Butyl methacrylate, dms., c.l., t.l., works lb. .55 · —
dms., l.c.l., works lb. .55½ · —
Butyl oleate, refd., dms., l.c.l., works lb. .32 · —
Butyl phenylacetate, dms lb 4.50 4.60
Butyl phthalate (see Dibutyl phthalate).
Butyl stearate, dms., c.l., frt. alld. E. of Mississippi lb. .27¼ · .27½
dms., l.c.l., same basis lb. .28¼ · —
Butylamine (see Mono- Di and Tri-butylamine)
6-tert-Butyl-m-cresol, dms., c.l., works lb. .53 · —
dms., l.c.l., works lb. .56 · —
tanks, works lb. .54 · —
Butylated hydroxytoluene (see 2,6-Di-tert-butyl-p-cresol).
p-tert-Butylphenol, bgs., c.l., works. lb. .27½ · —
bgs., l.c.l., works lb. .28½ · —
Butyraldehyde, dms., c.l., dlvd lb .22 · —
dms., l.c.l., dlvd. lb. .23 · —
tanks, dlvd lb. .19¼ · —
Butyric acid, 99%, dms., c.l., frt. equald lb. .34 · —
dms., l.c.l., same basis lb. .34½ · —
tanks, same basis lb. .32½ · —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium CP red, dark shade, bbls., frt. alld. E. of Rockies lb. 3.45 · —
Light shade, bbls., same basis lb. 4.55 · —
Medium shade, bbls., same basis. lb. 5.20 · —
Medium light shade, bbls., same basis lb. 4.80 · —
Orange-red shade, bbls., same basis lb. 4.20 · —
Cadmium CP yellow, all shades, bbls., frt. alld E of Rockies. lb. 2.75 · —
Cadmium iodide, 25-lb. fib. dms lb 6.75 · 7.00
Cadmium metal, ingots or sticks, cs., dlvd lb. 1.55 · —
Cadmium-mercury lithopone orange, deep shade, bbls., frt. alld. E. of Rockies lb. 1.61 · —
Cadmium-mercury lithopone red, dark shade, bbls., same basis lb. 1.91 · —
light shade, bbls., same basis lb. 1.68 · —
Medium shade, bbls., same basis. lb. 1.83 · —
Medium light shade, bbls., same basis lb. 1.76 · —
Cadmium-mercury lithopone red, maroon shade, bbls., same basis lb. 1.99 · —
Cadmium-selenide lithopone, maroon, bbls., frt. alld. E. of Rockies. lb. 2.73 · —
Cadmium-selenide lithopone, maroon, dark shade, bbls., same basis lb. 2.77 · —
Orange, bbls., same basis lb. 1.54 · —
Calmium-selenide, lithopone, red, orange-red shade, bbls., same basis lb. 1.62 · —
Red, light shade, bbls., same basis. lb. 1.84 · —
Red, medium-light shade, bbls., same basis lb. 1.96 · —
Red, medium shade, bbls., same basis lb. 2.19 · —
Red, dark shade, bbls., same basis. lb. 2.52 · —
Cadmium-selenide lithopone yellow, all shades, bbls., frt. alld. E. of Rockies lb. 1.15 · —
Caffeine, NF, citrated, dms., 100-lb. lots or more lb. 2.70 · —
Caffeine, USP, nat., cryst., anhyd., dms., 100-lb. lots or more. lb. 2.50 · —
cryst., hydrous, dms., 100-lb. lots or more lb. 2.33 · —
USP, syn., cryst., anhyd., dms., 100-lb. lots or more. lb. 2.50 · —
cryst., hydrous, dms., 100-lb. lots or more. lb. 2.33 · —
Cajuput oil, native, cns lb. 1.75 · 3.30
Redist., USP, cns lb. 1.90 · 2.10
Calamine, USP, dms lb. .34 · —
Calamus oil, bots lb. 12.00 -20.00
Calciferol, cryst., 10-kilo or more lots, works gram. .54 · —
1-10 kilo lots gram. .55 · —

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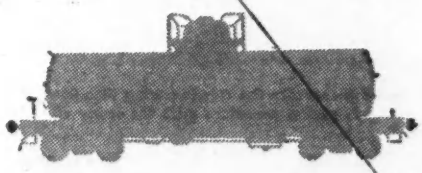
$CH_2=CH-CH_2-CH_3$

90% minimum purity

and butadiene-free

for immediate delivery

in tank car quantities



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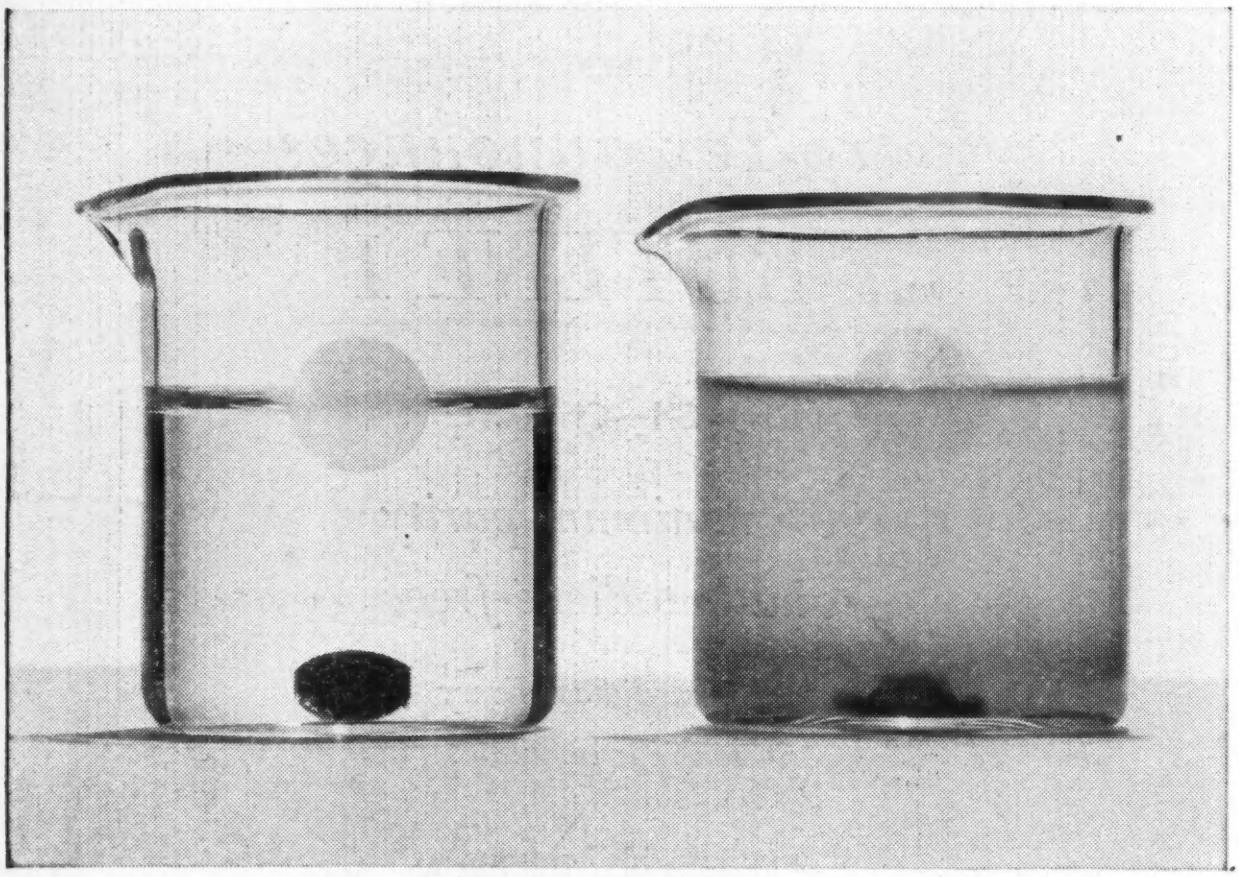
Calciferol—Cashewnut Shell Liquid

Calciferol. in edible oil (see Viosterol).
Calcium p-aminosalicylate trihydrate, fib. dms., 100 lbs. or more, frt. adjusted lb 4.00 - —
Calcium arsenate, dealers, bgs., c.l., frt. alld lb. .09 - .09½
bgs., l.c.l. same basis lb. .10 - .10½
Calcium bromide, NF, 100 lbs. or more lb. .97 - —
Calcium carbide, standard generator size, 600-lb. dms. c.l., dlvd ton. 149.00 - —
Calcium carbonate, nat., dry-grd., air floated, 325 mesh, bgs., c.l., works ton 10.50 - —
chalk whiting, 325 mesh, bgs., c.l., works ton 32.00 -34.00
water-grd., ½ to 10 microns, bgs., c.l., works ton 30.00 - —
10 to 20 microns, bgs., c.l., works ton 17.00 -18.00
Calcium carbonate, precip., dense, bgs., c.l. works ton 32.50 - —
bgs., l.c.l., works ton 42.50 - —
medium, bgs. c.l., works ton 38.00 - —
bgs., l.c.l., works ton 48.00 - —
surface treated bgs., c.l., works ton 37.50 - —
bgs., l.c.l., works ton 47.50 - —
ultrafine, bgs., c.l., works ton 110.00 -160.00
bgs., l.c.l., works ton 120.00 -175.00
Calcium chloride, flake, 77-80%, paper bgs. c.l., works frt equald ton 31.00 - —
Calcium chloride, conc., flake or pellet, 94-97%, paper bgs., c.l., works, frt. equald. ton 37.80 - —
powd., paper bgs., c.l., works. ton 37.00 - —
Gran., purif., dms. lb .27 - —
USP, dms. lb. .32 - —
Liquor, 40%, tanks, frt. equald. ton 12.50 - —
Solid, 73-75%, dms. c.l., frt. equald ton 29.50 - —
dms. l.c.l., works, frt. equald ton 36.00 -73.00
Calcium chromate, bgs., frt. equald, lb. .29½- .30
Calcium cyanide, dms., c.l., dlvd E. of Rockies lb. .20 - —
dms., l.c.l., same basis lb .24 - .55
Calcium cyclamate, 100-lb dms lb 2.95 - —
Calcium gluconate, AA, dms. lb. 76 - —
USP, dms. lb. .67 - .69
Calcium hydride, lump, dms., works. lb. 2.20 - 3.00
Calcium hypochlorite, high test, 45-lb cs., dlvd E of Rockies cs. 22.95 -25.10
100-lb. dms., same basis dm 30.80 -34.50
Calcium hypophosphite, dms., 1,000-lb lots lb 1.28 - —
Calcium iodide, jars lb. 4.52 - —
Calcium lactate, NF, dms., 10,000-lb. lots or more, works lb. .38 - .40
smaller lots, works lb. .41 - .43
Calcium mandelate, USP, dms., works lb. 2.10 - 2.25
Calcium naphthenate, liq., 4% Ca., dms., frt. equald. lb. .30 - —
Calcium pantothenate, dms., frt. adjusted kilo. 35.00 - —
Calcium para-aminosalicylate (see Calcium p-aminosalicylate).
Calcium phenosulfonate, dms. lb. .99 - 1.00
Calcium phosphate, dibasic, USP, bgs., c.l., frt. equald 100 lbs. 8.25 - —
bgs., l.c.l., frt. equald 100 lbs. 9.00 - —
Feed grade, 18½% P, bgs., c.l., t.l., frt. equald ton 83.25 - —
bgs., c.l., t.l., f.o.b. Texas City works ton 77.70 - —
bgs., l.c.l., frt. equald ton 93.25 - —
21% P., bgs., c.l., t.l., frt. equald ton 94.50 - —
bgs., l.c.l., frt. equald ton 104.50 - —
Prices of calcium phosphate dibasic in bulk $3 per ton less than bg., c.l. prices.
Calcium phosphate, monobasic, bgs., 10,000-lb. lots, frt. equald, 100 lbs. 7.45 - —
bgs., smaller lots, same basis, 100 lbs. 7.95 - —
Calcium phosphate, tribasic, NF, precip., bgs., c.l., works, frt. equald 100 lbs. 9.25 - —
bgs., l.c.l., frt. equald 100 lbs. 10.00 - —
Calcium phytate, bgs. works lb. .50 - —
Calcium resinate precip. dms. ton lots, frt. alld., works lb. .36¼- —
Calcium silicate, hydrated, bgs c.l., works lb. .06 - —
bgs., l.c.l., works lb. .06½- —
Calcium silicate, paint grade (see Wollastonite).

Calcium stearate, ctns., c.l. lb. .39 - —
ctns., l.c.l. lb. .40 - .44
Calcium sulfate (see Gypsum).
Calomel, NF X, powd., 100-lb. dms. lb. 5.42 - —
Camphene, 46° m.p., dms. incl., c.l., works lb. .15 - —
dms. incl., l.c.l., same basis lb. .16½- —
tanks, same basis lb. .12½- —
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 3.68 - 3.70
Camphor, nat., USP, powd., cs., 100-lb. lots lb. .60 - .65
tablets, 1-oz., ½-oz cs lb. .85 - .90
USP, gran., powd., bbls., 2,000-lb. lots lb. .59 - —
Syn., USP, gran., powd., bbls., 1,000-lb. lots lb. .60 - —
bbls., smaller lots lb. .61 - —
tablets, ctns., 1,000-lb. lots lb. .85 - —
ctns. 500-lb lots lb. .86 - —
ctns. smaller lots lb. .87 - —
tech., 1 bbl. or more lb. .48 - —
Camphor oil, sassafrassy, dms. lb. .50 - .50
White, ums. lb. .29 - .30
Cananga oil, native, cns lb. 7.60 - 7.85
Rectified cns lb. 9.55 -12.65
Candelilla wax, crude, bgs. lb. .53 - .54
Refd., bgs. lb. .60 - .62
Powdered Candelilla wax, 20 to 100 mesh 8c higher
Cantharides Chinese cs. lb 2.00 2.05
powd., bxs lb 2.25 2.30
Russian, bgs. lb. 2.75 - —
powd., bxs. lb. 3.00 - 3.25
Capric acid, CP, dms. lb. .27 - .29
tanks lb .25 - —
Caprylic alcohol, 85% dms., c.l., and t.l., works lb. .19 - —
dms. t.t.l. same basis lb. .19½- —
tanks, frt. equald lb. .16½- —
Sec., 92-99% dms. c.l. lb. .22 - —
dms. l.c.l. lb. .23 - —
tanks lb .19½- —
Caprylic acid dms. lb. .27 - .29
tanks lb. .25 - —
Capsicum (see Pepper red).
Capsicum oil (see Capsicum oleoresin).
Capsicum oleoresin, NF, from dom. pepper, dms lb. 4.00 - 4.75
NF, from African pepper, dms. lb. 4.50 - 5.25
Caraway seed, Dutch, bgs. lb. .09¼- —
Polish, bgs. lb. .08½- —
Carbazole 87% bbls. ton lots, works lb. 1.05 - —
Carbon black channel rubber beads, bulk, c.l., works lb. .07¼- —
bgs., c.l., works lb. .07¾- —
bgs., l.c.l., works lb. .14½- —
Furnace, fast extruding, bgs., c.l., works lb. .06¾- —
ctns., l.c.l., whse. lb. .12½- —
high abrasion bulk, c.l., works. lb. .07¼- —
bgs., c.l., works lb. .07¾- —
bgs., l.c.l., dlvd. or whse lb. .13½- —
high modulus, bgs., c.l., works. lb. .06¼- —
ctns., l.c.l., whse. lb. .12 - —
semi-reinforcing bgs. c.l., works. lb. .05¾- —
bgs., ctns., l.c.l. whse. lb. .11½- —
Carbon black, pigment, high color beads, ctns., c.l., works lb. .72 - —
ctns., l.c.l., dlvd. or whse lb. .79 - —
medium color, uncompressed, bgs., c.l., works lb. .13½- —
bgs., l.c.l., dlvd or whse lb. .21 - —
Carbon dioxide indust., wholesale, bulk dlvd. Metropolitan area ton 73.00 -115.00
cyls., works lb. .08 - .09
Solid, wholesale works lb. .035 - .040
Carbon disulfide 55-gal. dms. c.l., works frt. equald to competitive points lb. .07 - —
55-gal. dms. l.c.l. same basis lb. .08½- .09
5-gal. dms. 30 dms to c.l. same basis lb. .13 - —
5-gal. dms. less than 30 dms., same basis lb. .16 - —
tanks dlvd. lb. .05 45- —
Carbon tetrachloride CP consumers dms. c.l. frt. alld lb. .12¾- —
l.c.l. frt alld lb. .15¼- —
Carbon tetrachloride, tech., consumers, dms., c.l., t.l., frt. alld lb. .11¾- —
dms., l.c.l. t.l. frt. alld lb. .14¼- —
tanks frt. alld lb. .10¾- .11¼
Carboxymethyl cellulose (see CMC).
Carbromal NF dms. 100-lb lots, works lb 4.00 - 4.25
dms., smaller lots, works lb 4.10 - 4.75
Cardamom oil, NF bots. lb. 45.00 -48.00
Cardamom seed, bleached, "A," lb. 2.95 - —
Bleached, "B" lb. 2.60 - —
Decorticated Alleppy, cs. lb. 2.80 - —
Guatemala, cs. lb. 2.75 - —
Green, Alleppey, bgs. lb. 2.15 - —
Ceylon, bgs. lb. 2.15 - —
Carmine No. 40, NF bulk, 100-lb. lots or more dlvd lb. 16.80 - —
bulk, smaller lots, dlvd lb. 16.90 -17.30
Carnauba wax, chalky, bgs., ton lots lb. .68 - .69
North country No. 2, crude, bgs., ton lots lb. .77 - .78
refd., pure, ton lots lb. .92 - .94
North country No. 3, Ceara, crude, bgs., ton lots lb. .71 - .73
Ceara, refd., pure, bgs., ton lots lb. .82 - .84
Parnahyba, crude, bgs., ton lots lb. .73 - .75
Parnahyba, refd., pure, bgs., ton lots lb. .82 - .84
Yellow, No. 1, Ceara, bgs., ton lots lb. 1.22 - 1.24
Carnauba wax, yellow No. 1, Parnahyba, bgs., ton lots lb. 1.24 - 1.26
Powdered carnauba wax, 20 to 100 mesh, 8c. higher.
Carotene, tech. 1,350,000 A units per gram, tins, 5-10 kilo lots, dlvd. gram. .24½- —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works million units. .12 - —
USP, microcrystalline in oil, 400-000 A units per gram., dms., dlvd million units. .174 - —
b-Carotene in vegetable oil, semi-solid suspension, 400,000 A units per gram, cns kilo. 69.60 - —
Liquid in vegetable oil, 500,000 A units per gram, cns kilo. 87.00 - —
Pure, cryst., 1,600,000 to 1,670,000 A units per gram, cns. gram. .29 - —
Carvol, bots. oz. 5.00 - 8.40
Cascara sagrada bark, bulk lb. .35 - .38
Casein, dom. edible, acid precip., 30 mesh., bgs., 10,000-lb. lots or more works lb. .56 - —
edible, acid, precip., 80 mesh, bgs., 10,000-lb. lots or more, works lb. .64 - —
Imp., edible, acid-precip. grd., Argentine, bgs., c.l. lb. .19 - .19¼
New Zealand, bgs., c.l. lb. .23½- .24
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J lb. .22 - —
dms., ton lots, same basis lb. .23 - —
dms., dm. lots, same basis lb. .25 - —



This lecture-table stunt demonstrates the enteric-coating idea in vivid if unsophisticated terms. Standardized U.S.P. testing procedure adds the factor of mechanical agitation.

This is artificial gastric juice at pH 1.5. The tablet was coated with Eastman C-A-P Cellulose Acetate Phthalate. In 24 hours nothing has happened.

This is artificial intestinal juice at pH 7.5. Tablet identical with the one on the left has completely disintegrated in one hour.

For medicaments that should get to the intestine

There are medicaments already developed which would be more useful if only you could get them from the mouth to the intestine.

Now is a good time to re-evaluate such medicaments, perhaps to reactivate products having side effects that enteric coatings might eliminate.

For now you can readily turn to *Eastman C-A-P Cellulose Acetate Phthalate*. The troubles encountered with the enteric coating substances of the past are gone.

Eastman C-A-P Cellulose Acetate Phthalate depends not on the solvent action of water, not on a reliable rate of stomach voiding, not even entirely on alkalinity in the intestine. It depends on the total chemical climate of the intestine.

The material has been used on more than a billion tablets and has taken them intact into the intestine, where they can do the most good. It permits the use of high-speed coating techniques. It is compatible with certain plasticizers.

Eastman C-A-P Cellulose Acetate Phthalate is a free-flowing white powder that's easy to weigh and measure. It doesn't stick. It stays stable in 10- and 50-kilo drums in cool, dry storage.

Full data, including prices, are obtained by writing to *Distillation Products Industries*, Rochester 3, N. Y. Sales offices: New York, Chicago, and Memphis • W. M. Gillies, Inc., West Coast • Charles Albert Smith Limited, Montreal and Toronto.

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Also ... vitamins A and E ... distilled monoglycerides

... some 3600 Eastman Organic Chemicals for science and industry

DPi

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Cassella acid, dms., frt alld., 100% basis	lb	1.44	1.75
Cassia, Padang, "A," bls	lb.	.85	Nom.
"B"	lb.	.80	Nom.
"C"	lb.	.80	Nom.
Korintje "A"	lb.	.85	Nom.
"B"	lb.	.80	Nom.
"C"	lb.	.80	Nom.
Cassia oil (see Cinnamon leaf oil, USP).			
Castor oil, dom., blown, dms., c.l.	lb.	.2650-	—
dms., l.c.l	lb.	.2750-	—
dehydrated, bodied, dms., c.l.	lb.	.2750-	—
dms., l.c.l.	lb.	.2910-	—
tanks	lb.	.2600-	—
unbodied, dms., c.l.	lb.	.2660-	—
dms., l.c.l.	lb.	.2760-	—
tanks	lb.	.2460-	—
hydrogenated, bgs., ton lots	lb.	.3125-	—
bgs., l.c.l., dlvd.	lb.	.33.50-	—
No. 1, dom., dms., c.l	lb.	.2300-	—
dms., l.c.l.	lb.	.2400-	—
tanks	lb.	.20½-	—
Castor oil, dom., No. 3, tech., dms., c.l	lb.	.22¼-	—
dms., l.c.l.	lb.	.23¼-	—
tanks	lb.	20¼-	—
Refd. and deodorized, dms., c.l.	lb.	.2750-	—
dms. c.l.	lb.	.2850-	—
USP, dms., c.l.	lb.	.2450-	—
dms., l.c.l.	lb.	.2550-	—
tanks	lb.	.2250-	—
Imp., No. 1, Brazilian, tanks	lb.	.1600-	—
Castor oil, sulfonated, 50% dms., works	lb.	.15	.15¼
75%, dms., works	lb.	.19½-	.20
Castor oil acids dehydrated dms.	lb.	44¼	46¼
split, dms	lb	37¼	38¼
Castor pomace, bgs., c.l., works	ton.	40.00	Nom.
Castoreum, nat., cns	lb.	5.25	—
Catalpa, cns	lb	9.00	—
Caustic potash (see Potash caustic).			
Caustic soda (see Soda caustic)			
Cedrelcat oil USP XIII cns., dms.	lb.	3.35	4.50
Cedarwood oil, cns., dms	lb.	.51	.65
Celery seed, French, bgs.	lb.	.29	—
Indian, bgs	lb.	.23	—
Celery seed oil, bots	lb.	13.50	-16.00
Cellulose acetate, flake, powd. bgs., cns., 100-lb lots or more, dlvd. E	lb.	.35	.45
Cellulose acetate-butyrate, powd., 17% butyryl content, bgs., dlvd. E	lb.	.545	.555
27% butyryl content bgs. dlvd. E	lb.	.595	.605
38% butyryl content, bgs., dlvd. E	lb.	.545	.555
38% butyryl content, half-second, bgs., dlvd E	lb.	.545	.555
50% butyryl content, bgs. dlvd. E	lb	.585	.595
Cellulose gum, methyl (see Methyl Cellulose).			
Cellulose gum, pure, high vis bgs., 23,000-lb lots or more, works, frt. alld	lb.	.57	—
bgs. smaller lots same basis	lb.	.59	—
Cerium chloride 48% dms dlvd	lb	30	—
Cerium hydrate 74% CeO fib dms. 100-lb. lots or more	lb.	1.40	—
77%CeO, fib dms (00-lb lots or more	lb	1.74	—
Cerium oxalate (see Rare earth oxalate)			
Cerium oxide, optical grade, bgs., 50-lb lots or more, dlvd	lb	1.85	1.98
bgs., smaller lots, dlvd	lb	2.03	2.23
Cetyl alcohol, extra fib cns. 500-lb. lots or more	lb	.65	72
NF, fib cns. 140-lb lots or more	lb	48	—
Chalk (see Calcium carbonate)			
Chamomile flowers, Hungarian style, bls	lb.	1.50	—
Roman, cs.	lb.	3.00	—
Chamomile oil, blue Hungarian bots	lb.	350.00	—
Charcoal, activated NF, fib dms., c.l. works	lb.	.25	.32
fib dms. 5-ton lots, works	lb.	.26½-	.32½
fib dms. smaller lots works.	lb.	.27	.50
Charcoal, black (see Charcoal, activated)			
Charcoal, bone (see Bone, black)			
Charcoal hardwood, bulk lump c.l., f.o.b. plant	ton	55.00	—
briquets, bulk, c.l., f.o.b. plant.	ton.	78.00	-80.00
5-lb. paper bgs., c.l., same basis	ton.	106.00	—
10-lb. paper bgs., c.l., same basis	ton.	96.00	—
bulk, lump, 25-lb. paper bgs., c.l., f.o.b. plant	ton.	87.00	—
plant	ton.	87.00	—
40-lb. paper bgs., c.l., same basis	ton.	84.00	—
Charcoal, pinewood, gran., bgs., c.l., works, South	ton.	69.00	—
bgs., l.c.l., works, South	ton.	74.00	-79.00
lump, bgs., c.l., works, South,	ton.	66.00	—
bgs., l.c.l., works South	ton.	70.00	-84.00
bulk, c.l., works, South	ton.	50.00	—
bulk, l.c.l. works South	ton.	55.00	—
Chenopodium oil, NF, cns	lb.	4.75	5.25
Chestnut extract, tnp solid, 60% tannin, bgs. ex dock	lb.	.08727-	—
powd., 68% tannin, bgs., ex dock	lb.	.09817-	—
Chicago acid paste, bbls. frt alld	lb	3.21	—
Chinawood oil (see Tung oil).			
Chloral, tech. 94% min dms., c.l., works	lb	23	—
dms., l.c.l., works	lb	24	—
tanks multiple units 5 cars, works	lb	21	—
Chloral hydrate, USP, jars 1,000-lb lots	lb	1.00	—
jars, 500-lb. lots	lb	1.03	—
jars, 100 lb lots or less	lb	1.05	—
Chlordan, agricultural dms., c.l., frt alld	lb	65	—
dms. l.c.l. 5,000 to 10,000-lb lots, frt alld	lb	66	—
Clarified, dms., c.l., frt. alld	lb.	.69	—
dms., l.c.l., 5,000-10,000lb lots, frt. alld	lb.	.70	—
Chlorinated paraffin, 40% dms., c.l. frt alld	lb.	16¼-	—
dms. l.c.l. 10 dms or more, same basis	lb.	17¼-	—
70%, dms., c.l. same basis	lb.	18½-	—
dms. l.c.l. 10 dms or more, same basis	lb	19½-	—
Chlorinated rubber 5, 10, 20 cps., ctns., c.l., works	lb.	.60	—
ctns., l.c.l., works	lb.	61	—
125, 1,000 cps. ctns., c.l., works.	lb.	70	—
ctns., l.c.l., works	lb.	71	—
Chlorine, liq., cyls., c.l., works, frt. equald	lb.	.11	—
cyls., l.c.l. Metropolitan area	lb.	.12½-	.13¾
tanks single units, works, frt. equald 100 lbs		3.15	—
tanks, multiple units, 5 cars, works, frt equald 100 lbs		4.05	—
Chlorine, liq., tanks, multiple units, 4 cars, same basis 100 lbs.		4.25	—
tanks, multiple units, 2 cars, same basis 100 lbs.		5.25	5.75
tanks, multiple units, 1 car, same basis 100 lbs.		6.25	7.25
Chloroacetic acid, mono, flake, 99%, dms., c.l	lb.	.23½-	.25½
dms., l.c.l.	lb.	.24½-	—
tech., flake, 96-97% dms., c.l., frt. equald	lb.	.19	—
dms., l.c.l., frt. equald	lb.	.20	—
4-Chloro-2-aminotoluene, fused, bbls.	lb.	1.45	—
m-Chloroaniline, dms., min. 10,000 lbs. or over, frt. alld	lb.	.84	—
dms., less than 10,000 lbs., same basis	lb.	.89	—
tanks, same basis	lb.	.82	—
o-Chloroaniline, dms., c.l., frt. alld.	lb.	.52	—
dms., l.c.l. same basis	lb.	.54	—
tanks, same basis	lb.	.50	—
p-Chloroaniline dms. c.l., frt. alld.	lb.	.77	—
dms., l.c.l. same basis	lb.	.79	—
o-Chlorobenzaldehyde, dms., t.l., works, dlvd to N.Y. Metropolitan area	lb.	1.03	—
dms. l.t.l. same basis	lb.	1.20	—
p-Chlorobenzaldehyde, dms., l.c.l., works, dlvd. to N. Y. Metropolitan area	lb.	1.95	—
o-Chlorobenzoic acid fib. dms., t.l., works	lb	1.10	—
fib. dms. smaller lots works	lb	1.25	—
p-Chlorobenzoic acid, fib dms., 2,000-lbs or more works.	lb	2.25	—
fib. dms. less than 2,000-lbs., same basis	lb	2.30	—
Chloroform, tech., dms., c.l., dlvd. E	lb.	.18	—
dms., l.c.l., same basis	lb.	.19	—
tanks, same basis	lb.	.17	—
USP, dms.	lb.	.30	—
2-Chloro-4-nitroaniline, paste, dlvd. E., 100% basis	lb.	.81	—
Powd., dlvd. E., 100% basis	lb.	.86½-	—
4-Chloro-2-nitroaniline, powd., dlvd. E	lb.	.80½-	—
o-Chlorophenol, dms., c.l., frt. equald	lb.	.37	—
dms., l.c.l., same basis	lb.	.38	—
p-Chlorophenol, dms., c.l., frt. equald	lb.	.37	—
dms., l.c.l., same basis	lb.	.38	—
Chloropicrin, comi., bots.	lb	1.50	—
cyls., 180 lbs., frt. alld	lb.	.95	—
cyls. 100 lbs., same basis	lb.	.97	—
cyls., 25 lbs., same basis	lb.	1.22	—
Chlorosulfonic acid, dms., c.l., frt. equald	lb.	.0453-	—
dms., l.c.l., frt. equald	lb.	.0515-	—
tanks, frt. equald	lb.	.0415-	—
Chlorosulfonic acid, in stainless steel dms ½c. per lb higher.			
Choline bitartrate 85% dms. frt. adjusted	kilo.	2.75	3.00
Choline chloride fib. dms., frt. adjusted	kilo.	2.75	3.00
Choline dihydrogen citrate, fib. dms., frt. adjusted	kilo.	2.75	3.00
Chrome green, CP, dark, light medium blue content 1 to 15%, bbls., dlvd. E. of Rockies	lb.	.40	.42
blue content 16-30%, bbls., same basis	lb.	.40	.42
blue content 31-45%, bbls., same basis	lb.	.41	.43
blue content 45-49%, bbls., same basis	lb.	.44	.46
Reduced color, 25%	lb.	.19	.20
Chrome green prices 1c. higher W. of Rockies.			
Chrome orange, CP, bbls., dlvd. E. of Rockies	lb.	.35	—
Chrome orange prices 1c. higher W. of Rockies.			
Chrome yellow, CP, bbls., dlvd. E. of Rockies	lb.	.35	—
Chrome yellow price 1c. higher W. of Rockies.			
Chromic acid, 99¾% dms. c.l., works frt equald	lb.	29½	—
dms. l.c.l. dlvd New York Metropolitan area	lb	30	31
Chromic acid NF (see Chromium trioxide)			
Chromium acetate, soln. 7½%, bbls. works	lb	09½	—
cbys., works	lb	11¼	—
Chromium fluoride bbls. works	lb	51	52
Chromium oxide, hydrated, bbls. fib dms., c.l. frt. alld	lb.	1.20	—
Pure, bgs., c.l., frt. alld	lb.	.44½-	—
bgs., l.c.l. same basis	lb.	45¼-	—

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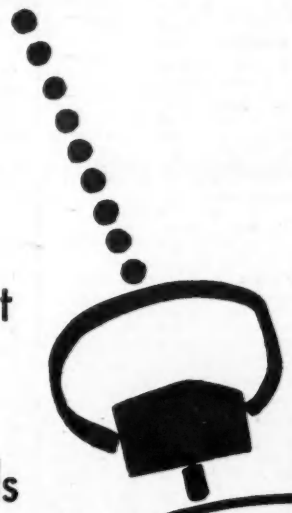

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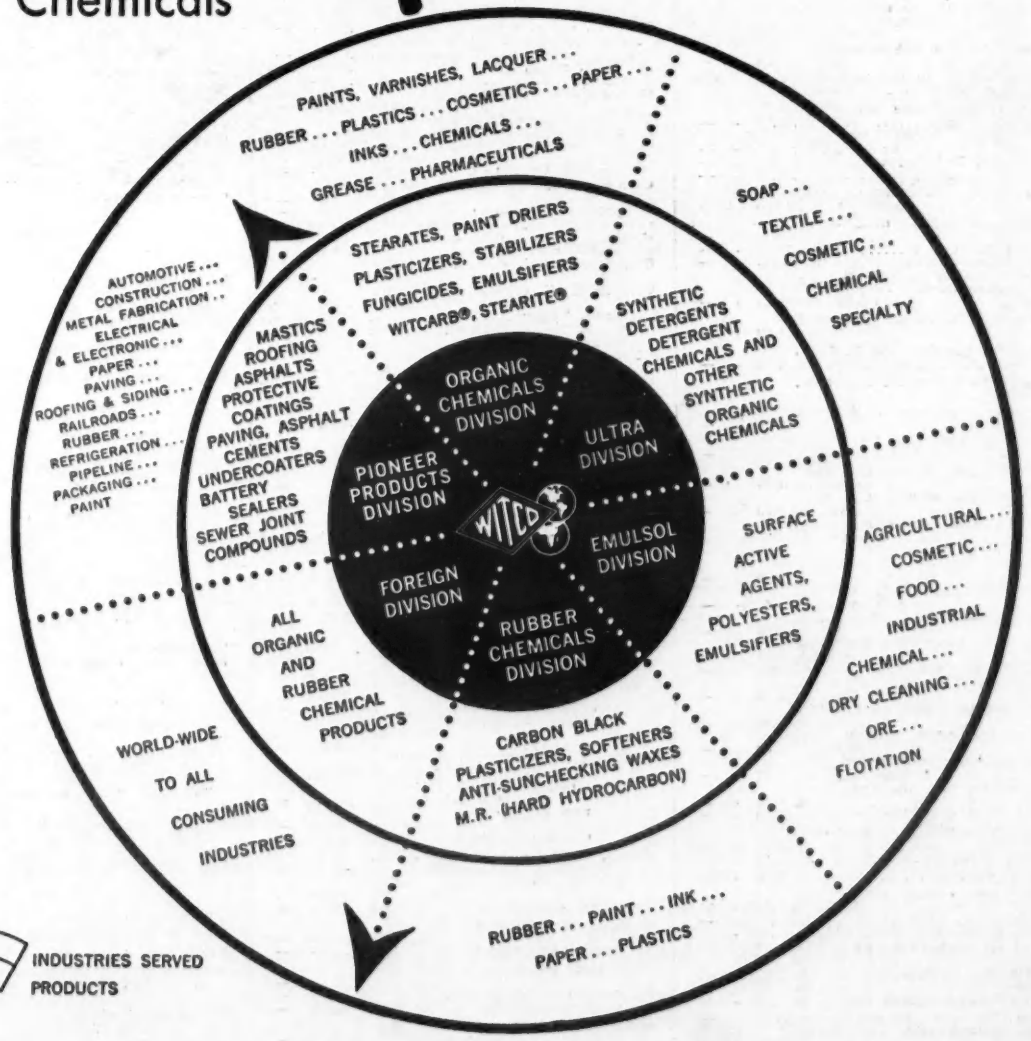

WITCO CHEMICAL COMPANY 122 East 42nd Street, New York 17, N. Y.

Chicago · Boston · Akron · Atlanta · Houston
Los Angeles · San Francisco · Oakville, Ontario
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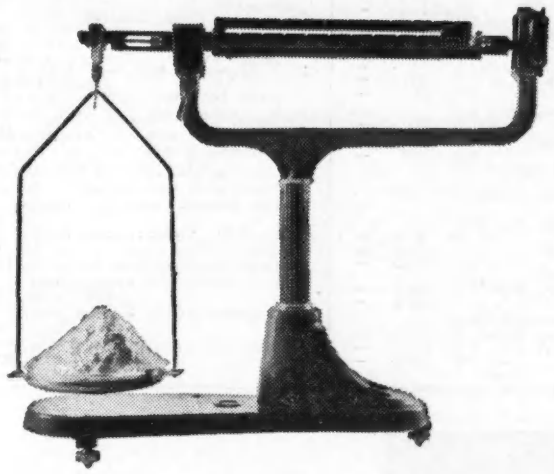
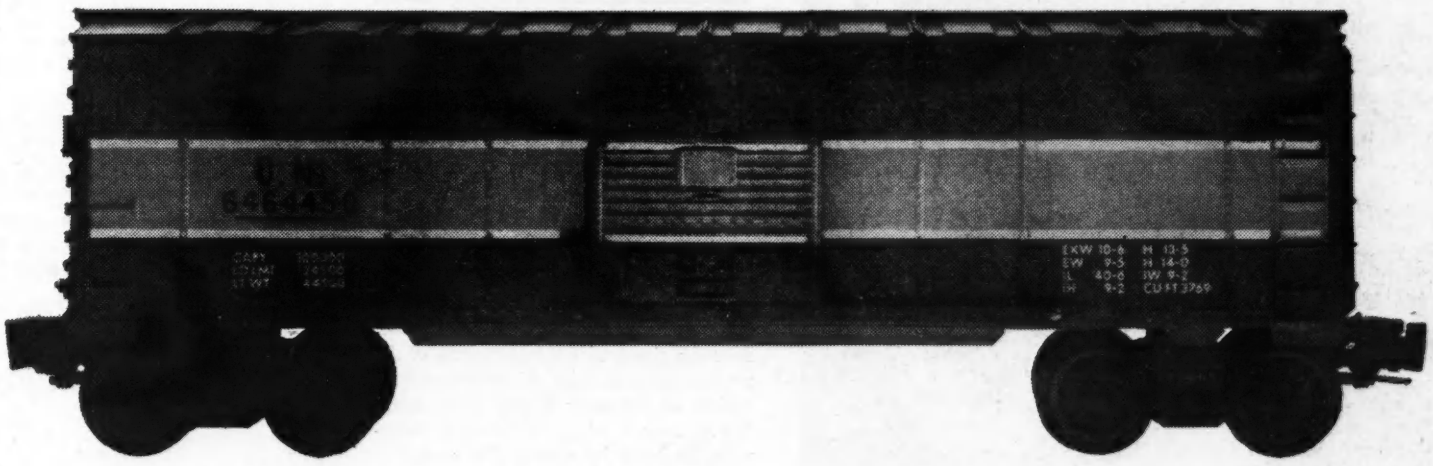
Chromium Trioxide—2,2-Dicholoroethyl Ether

Chromium trioxide, NF, bots ... lb. 1.15 - —
Cinchona bark, NF, red, broken, bgs. lb. .35 - .40
NF, yellow, broken, bgs ..... lb .35 - .40
Cinnamic acid, refd., bots ..... lb 2.50 - 3.50
Cinnamic alcohol, bots ..... lb. 1.90 - 2.20
Cinnamic aldehyde dms ..... lb. .93 - 1.25
Cinnamon, Ceylon, No. 2, bgs ... lb. .90 - —
Ceylon, "0000," bgs ..... lb. 1.06 - —
Cinnamon bud oil, bots. ..... lb.36.00 -70.00
Cinnamon leaf oil, crude, dms. lb. 1.35 - 2.00
USP (Cassia), cns., dms ..... lb. 8.50 -13.50
Citral, CP, bots., cns ..... lb. 4.05 - —
Extra, bots., cns. ..... lb. 5.60 - —
Citric acid USP anhyd., fine gran., bgs. dms. c.l lb. .29½- .30
bgs. dms. 10,000-lb lots 1 shipt lb. .30 - .30½
bgs., dms., smaller lots lb. .30½- .31
hydrous, fine gran., bgs., dms., c.l lb. .27½- .28
bgs., dms., 10,000-lb. lots 1 shipt lb. .28 - .28½
bgs. dms. smaller lots lb. .29 - .29½
Powdered citric acid ½c higher
Citronella oil, Ceylon, cns., dms. lb. .65 - 1.00
Java-type, cns. ..... lb. .75 - 1.10
Citronellal, bots., dms. ..... lb. 1.90 - 2.10
Citronellol, bots., dms ..... lb. 2.90 - 3.40
Civet, artif. bots lb.13.75 15.00
Nat. bots ..... oz 8.50 -15.00
Clay, ball., dom., airfloated, bgs., c.l., Tenn ton.17.50 -21.50
crushed, shed moisture, bulk, c.l., Tenn ton. 8.00 -11.00
Imp., airfloated, bgs., c.l., Atl. port net-ton.42.00 -45.75
lump, bulk, Atl. port net-ton.29.50 -35.75
Clay, China, dom., dry-grd., air-floated, 99%, 325 mesh, Georgia, bgs., c.l., works.ton.10.00 -12.00
Georgia, bgs., l.c.l., works, ton.15.50 - —
300 mesh, bgs., c.l., Georgia, works ton.13.50 -14.50
bgs., l.c.l., ex-whse ... ton.35.00 -36.00
Imp., white, lump, bulk, c.l., ex dock, Philadelphia, Portland, Me. long-ton.20.00 - 35.00
powd., bgs., c.l., ex dock, net-ton.50.00 - —
bgs., l.c.l., ex whse ... net-ton.60.00 -70.00
Cleve's acid, mixed, bbls ..... lb. 1.05 - —
Cloves, Madagascar, bgs ..... lb. .39 - —
Zanzibar, bgs. ..... lb. .48 - —
Clove bud oil, USP, cns., dms ... lb. 2.40 - 3.25
Clove leaf oil, crude, dms. ..... lb. .85 - .90
CMC, crude, 96.4%, low or medium vis., bgs. or fib. dms., 23,000 lbs., dlvd. E., 100% basis lb. .41½- —
bgs. or fib. dms., less than 23,000 lbs., dlvd. E., 100% basis lb. .43½- —
CMC, crude, 65%, low or medium vis., bgs., or fib. dms., c.l., dlvd., E., 100% basis lb. .41½- —
bgs., or fib. dms., l.c.l., dlvd. E., 100% basis lb. .43½- —
CMC, purif., high vis. (see Cellulose gum).
CMC, standard, low or medium vis., bgs., 23,000 lbs, works, frt. alld lb. .57 - —
bgs., smaller lots, same basis, lb. .59 - —
CMC prices W. of the Rockies are 2c. per lb lower and are on a works basis.
Coaltar crude, resale for soins., tanks, works ..... gal. .16 - —
Refd., resale, indust., dms., c.l., ex whse. gal. .35 - —
dms., l.c.l., ex whse ... gal. .39 - —
tanks, works ..... gal. .20½- —
Coaltar pitch, aluminum, bulk, works ton.40.00 -42.00
Carbon and indust., bulk, works, ton.40.00 - —
Core, bulk, works ..... ton.36.50 - —
Fiber, bulk, works ..... ton.44.00 - —
Roofing, 140-155°F., Federal Specification RP-381, Type I, tanks, works ton.41.00 - —
Cobalt acetate, 23.7% Co dms. dlvd. lb. 1.10 - —
Cobalt blue, genuine, 250 lb. bbls., dlvd. E. of Rockies lb. 4.90 - —
Cobalt blue prices 1c. higher W. of Rockies.
Cobalt blue, imitation (see Ultramarine blue).
Cobalt carbonate, 48% Co, powd., bgs., dlvd lb. 1.57 - —
Cobalt chloride, 24.2% Co, dms., dlvd lb. 1.05 - —
Cobalt hydrate, 60-61% Co, dms., dlvd lb. 2.20 - —
Cobalt linoleate, fused 8½% Co, dms lb. .71½- —
Liq., 6% Co, dms ..... lb. .57½- —
Cobalt metal, 97-99%, kgs., ex whse. lb. 2.00 - —
Cobalt naphthenate, liq., 6% Co, dms., dlvd lb. .48¾- —
Cobalt nitrate, 20.1% Co bbls. dlvd. lb. .23 - —
Cobalt oxide, black, 72½-73½% Co, kgs lb. 1.52 - —
70-71% Co, kgs ..... lb. 1.48 - —
Cobalt phosphate, powd., 32.1% Co, kgs., dlvd lb. 1.43 - —
Cobalt resinate, fused, 3% Co, dms. lb. .29½- —
Cobalt sulfate, cryst., 21% Co, dms., dlvd lb. .69 - —
Cobalt sulfate, monohydrated, 33% Co, dms., dlvd lb. 1.17 - —
Cobalt tallate, 6% Co, dms., dlvd. lb. .44 - —
Cocaine, USP, cns., 100-oz. lots oz.17.80 - —
Cocaine hydrochloride, cns., 100-oz. lots oz.13.75 - —
Cocillana bark, bls. ..... lb. .22 - —
Cocoa butter, bgs. ..... lb. 1.02 - 1.07
Coconut oil, crude, tanks, New York lb. .14¼- .15
tanks, Pac. coast ..... lb. .13¾- —
Refd., deodorized, dms., l.c.l. lb. .24 - —
Coconut oil acids, dist., dms ... lb. .22½- .25
tanks ..... lb. .20 - —
double dist. (stripped), dms. ... lb. .23½- .26
tanks ..... lb. .21 - —
Cod oil, Newfoundland, dms ... lb. .10 - .10½
Codeine, NF cns. 100-oz lots oz.13.25 - —
Codeine hydrochloride, cns., 100-oz. lots oz.11.75 - —
Codeine phosphate, USP, cns., 100-oz. lots oz.10.25 - —
Codeine sulfate, USP, cns., 100-oz. lots oz.10.75 - —
Codliver oil, USP, dms. ..... gal. 1.45 - 1.50
Cohosh root, black, bls. ..... lb .20 .22
Blue, bls ..... lb .20 .22
Colchicine, USP, bots., cns. ... oz.29.00 -35.50
Colchicum root, bls ..... lb .35 - —
Colchicum seed, bgs ..... lb. .55 - —
Collodion, USP, dms. ..... lb. .32½- —
Flexible, dms. ..... lb. .34 - —
Colocynth pulp, bls ..... lb. .72 - —
Colombo root, bls ..... lb. .15 - .16
Condurango bark, bls ..... lb. .26 - —
Congo copal gum, No. 1, bgs ... lb. .25 - .26
No. 2, bgs ..... lb. .22 - .24
No. 3, bgs. ..... lb. .15¾- .17
Copaiba balsam, cns., dms ..... lb. .50 - .90
Copaiba oil, cns. ..... lb. 1.75 - 2.50
Copper acetate, bbls., c.l., works, lb. .53 - —
bbls., l.c.l., works lb .54 - —
Copper carbonate, 55%, bgs., c.l., works lb. .3100- —
bgs., l.c.l, works ..... lb. .3250- —
Copper chloride, cupric, anhyd., dms., works lb. .41 - .41½
Cryst., dihydrate, dms., works, lb. .27½- .28
Cryst., dried, dms., works lb. .35¾- .36¼
Copper chloride, cuprous, dms., works lb. .3575- .3875
Copper cyanide, tech., dms., 20,000-lb. lots or more lb. .634 - —
dms., 1,000-lb. lots or more lb. .644 - —
dms., smaller lots ..... lb. .664 - .684
Copper gluconate, dms. ..... lb. 3.20 - —
Copper hydrate, dms., c.l., frt. alld. E. of Miss lb. .47¼- —
dms., l.c.l., same basis ..... lb. .47¾- —
Copper metal, electrolytic, dlvd. Valley basis lb. .25 - —
Copper naphthenate, liq., 8% Cu, dms., frt. alld lb. .26½- —
Copper nitrate, tech., cryst., dms., works lb. .28½- .30½
Copper oleate, solid, 9% Cu, dms., works lb. .45 - —
Copper oxide, black, bbls., 100-5,000-lb. lots, works lb. .41¼- —
Copper oxide, red, 97% USN Type I, bbls., 100-5,000-lb. lots, lb. .41¼- —
90% USN Type II, bbls., 100-5,000-lb. lots or more, works, lb. .39¼- —
Copper oxychloride, dms., c.l., works lb. .52 - —
dms., l.c.l., works ..... lb. .53½- .63½
Copper quinolinolate, 18% Cu, dms., ton lots lb. 4.25 - —
10% active quinolinolate, dms. lb. 1.14 - 1.15
Copper resinate, precip., dms., frt. alld lb. .36½- —
Copper sulfate, CP, gran., dms., works lb. .1770- —
Cryst., 99%, bgs., c.l., works, 100 lbs.10.70 - —
bgs., l.c.l., same basis ... 100 lbs.11.20 -13.70
Copper sulfate, monohydrated, 35%, dms., c.l., works 100 lbs.20.65 - —
dms., l.c.l., works ..... 100 lbs.21.40 - —
Copper sulfate, tribasic, distributors, bgs., c.l., same basis 100 lbs.24.40 - —
bgs., l.c.l., same basis 100 lbs.25.40 -28.40
Copper, undecylenate, dms ..... lb. 2.75 - —
Copra, Atl., Gulf ports, c.i.f. ... ton.188.00 - —
Pac ports, c.i.f. ..... ton.183.00 - —
Coriander oil, Dutch, USP, bots. lb. 9.25 - —
Russian, USP, bots ..... lb.11.50 -12.50
Coriander seed, Moroccan, bgs lb. .09 - —
Rumanian, bgs. ..... lb. .07 - —
Yugoslavian, bgs. ..... lb. .08½- —
Corn oil, crude, tanks, works ... lb. .13¼- —
Foots (soapstock) acid 95%, tanks, New York lb. .05½- —
Refd., salad, dms. ..... lb. .1898- .1925
tanks ..... lb. .1698- —
Corn oil acids, dist., dms ..... lb. .17¼- .20
tanks ..... lb. .14¾- —
Corn starch (see Starch, corn).
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 7.33 - —
paper bgs., l.c.l. ... 100 lbs. 7.58 - —
Corn syrup, 42° Be, non-ret. dms., c.l. 100 lbs. 7.31 - —
non-ret. dms., l.c.l. 100 lbs. 7.46 - —
Corrosive sublimate (see Mercuric chloride).
Cortisone acetate, USP bulk gram 3.50 3.53
Costus oil, bots. oz 6.00 - —
Cottonseed meal, 41%, bgs., Memphis ton.60.00 - —
Cottonseed oil, crude, tanks, South. East lb. .13¼ Nom.
tanks, Valley ..... lb. .12⅞ Nom.
tanks, Texas, Lubbock ..... lb. .12⅜ Nom.
tanks, Texas, Waco ..... lb. .12½ Nom.
Foots (soapstock) acid 95%, tanks, New York lb. .04 - —
Refd., salad, dms. ..... lb. .18⅝- .19—
tanks ..... lb. .16⅝- —
Cottonseed oil acids, dist., dms lb. .18¾- .19¼
tanks ..... lb. .14¼- —
Cottonseed pitch, raw, dms., works, lb. .03 - .03¼
tanks, same basis ..... lb. .02¾- —
Coumarin, NF, cryst., dms ..... lb. 3.60 - 3.70
Cramp bark, NF, bls. ..... lb. .85 - .90
Cream of tartar (see Potassium hitartrate).
Creosote carbonate, NF, bots., cbys., lb. 3.05 - 3.20
Creosote, coaltar, crude, tanks, works, frt. adjusted gal. .20 - —
crude, soln. 80%, tanks, works, gal. .192 - —
refd., dms., c.l., works ..... gal. .42 - .44
dms, l.c.l. same basis ..... gal. .53 - .55
tanks same basis ..... gal. .33 - .35
Creosote oil (see Creosote coaltar).
Creosote, wood, beechwood, cbys., dms lb. 1.60 - 1.65
Hardwood, NF, bots., cbys lb. 1.30 - —
Pinewood, dms., incl., c.l., works, lb. .0561- —
dms. incl., l.c.l., works ... lb. .0634- —
dms. incl., l.c.l., ex whse, New York lb. .0743- —
tanks, works ..... lb. .0460- —
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret. dms., c.l., frt. alld. lb. .16½- —
non-ret. dms., l.c.l., same basis lb. .17½- —
tanks, same basis ..... lb. .145 - —
Cresol, USP, non-ret. dms., c.l., same basis lb. .18 - —
non-ret. dms., l.c.l., same basis lb. .19 - —
tanks, same basis ..... lb. .16 - —
m-Cresol, 95-98%, dms., c.l., works, lb. .60 - —
dms., l.c.l., works ..... lb. .61 - —
m-p-Cresol, 5-95%, 3°C., dms., c.l., frt. equald lb. .18 - —
dms., l.c.l., same basis ..... lb. .19 - —
tanks, same basis ..... lb. .16 - —
m-p-Cresol, 2.97%, 2°C., dms., c.l., frt. equald lb. .22 - —
dms., l.c.l., same basis ..... lb. .23 - —
tanks, same basis ..... lb. .20 - —
o-Cresol, 30.5°C. m.p. and over, ret. dms., c.l., frt. equald lb. .17 - —
ret. dms., l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
30°-30.49°C., m.p., dms., c.l., frt. equald lb. .16½- —
ret. dms., l.c.l., same basis lb. .17½- —
tanks, same basis lb. .14½- —
o-Cresol, 29°-29.9°C., m.p., dms., c.l., frt. equald lb. .16 - —
ret. dms., l.c.l., same basis lb. .17 - —
tanks, same basis lb. .14 - —
25-28.9°C., m.p., dms., c.l., frt. equald lb. .15 - —
ret. dms., l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
p-Cresol, 98% dms. c.l., dlvd ... lb. .52 - —
dms., l.c.l., dlvd ..... lb. .53 - —
tanks, dlvd ..... lb .49 - —
2,3-Cresotic acid, dms., ton lots, works lb. .70 - —
dms., smaller lots, works ... lb. .72 - —
p-Cresyl methyl ether, cns ... lb. 1.80 - 2.05
Cresylic acid, coaltar, dom., meta-para content above 25%, resins and tricresyl phosphate grades, dms., c.l., t.l., frt. equald. ..... gal. 1.35 - —
dms., l.c.l., same basis ... gal. 1.40 - —
tanks, same basis ..... gal. 1.15 - —
Cresylic acid, coaltar, dom., meta-para content 25% or less, dms., c.l., t.l., same basis gal. 1.20 - —
dms., l.c.l., same basis ... gal. 1.25 - —
tanks, frt. equald ..... gal. 1.00 - —
Cresylic acid, coaltar, importeu, meta-para content, 25% or less, f.o.b., works, frt. equald to competitive points, 50 dms. or more gal. 1.03½- —
less than 50 dms., same basis, gal. 1.05 - 1.15
tanks, same basis ..... gal. 1.00 - —
Crotonaldehyde, 91-93%, dms., t.c.l., works lb. .24¼ .25
Crotonic acid, fib dms., 200 lbs or more, works lb. .51 - —
Cryolite, nat., indust., bgs., c.l., works 100 lbs 13.00 - —
bgs., t.c.l., works 100 lbs.14.25 - —
Cube root, powd., 5% rotenone, bgs., c.l., t.l., works lb. .27 - —
Cubeb berries, XX, NF, bgs ... lb. .90 - —
Powd., cs ..... lb. .95 - —
Cubeb oil, cns. ..... lb.12.00 -15.00
Cumene, dms., c.l., works ..... lb .12 - —
dms., t.c.l., works ..... lb .14 - —
tanks, works ..... lb 11 - —
Cumin oil, bots., cns ..... lb. 7.50 -12.50
Cumin seed, Iranian, bgs ..... lb. .24 - —
Moroccan, bgs. ..... lb. No prices.
Turkish, bgs ..... lb. No prices.
Cutch extract, 55% tannin, bgs., ex dock lb. .07½- —
Cyanamide, fertilizer mixing grade, 21% N, gran., bgs., Niagara Falls, Ont., contract ton.57.00 - —
pulv., 21% N, bgs. works unit-ton. 2.85 - —
indust., grade, bgs., c.l., works.ton.75.00 - —
bgs., t.c.l. works ton 96.00 - —
Cyanamide, indust. grade, 6-16 mesh, dms., c.l., works ..ton.120.00 - —
dms., t.c.l., works ..... ton.140.00 - —
Cyanoacetic acid, tech., bbls lb 90 1.25
Cyclohexane 99% tech dms., c.l., dlvd. E. of Rockies ... gal. 1.02 - —
dms., t.c.l., same basis ... gal. 1.10 - —
dms., c.l., dlvd. W. of Rockies, gal. .77 - —
t.c.l., same basis ..... gal. .85 - —
tanks, works ..... gal. .55 - —
Cyclohexanol tech., dms., c.l., works, frt. alld., E lb. .26½- —
dms., t.c.l., works same basis.lb. .27½- —
tanks, works, same basis lb. .24 - —
Cyclohexanone, tech., dms., c.l., works lb. .32½- —
dms., t.c.l., works ..... lb. .35 - —
tanks, works ..... lb .29 - —
Cyclohexylamine, dms., c.l., works, lb. .49 - —
dms., t.c.l., works ..... lb. .50 - —
tanks, works ..... lb 47 - —
Cyclopropane CP, 2-lb. cyls., works, cyl.48.00 - —
6-oz cyls., works cyl.12.00 - —
Cyclopropane USP, hospitals, cyls., 40-gal. lots gal. .42 - —
cyls., 100-gal. lots ..... gal. .41 - —
cyls., 200-gal. lots ..... gal. .40 - —
Cypress oil, bots ..... lb 5.30 - —

D

2,4-D, tech., bgs., dms., c.l., works, frt. equald lb. .40 - —
bgs. dms. t.c.l. same basis lb. .45 - .49
2,4-D butyl ester, dms., c.l., works lb. .43 - —
dms., t.c.l., same basis ..... lb. .48 - .52
tanks, same basis ..... lb. .42 - —
2,4-D isopropyl ester, dms., c.l., works lb. .43 - —
dms., t.c.l., works ..... lb. .48 - .52
tanks, works ..... lb. .42 - —
Dammar gum, Batavia, A/S. cs lb. No stocks.
dust, bgs ..... lb. No stocks.
E, bgs ..... lb. No stocks.
East India, Batu, bold, bgs ... lb. .13¾- .15
nubs and chips, bgs. ..... lb. .08¼- .09½
black, bold, bgs. ..... lb. .14½- .16½
unscraped, bgs ..... lb. .13 - .14½
nubs and chips, bgs ..... lb. .12¼- .13½
pale, chips, bgs. ..... lb. .13 - .15
nubs, bgs. ..... lb. .17¾- .20
Siam, cs. ..... lb. .33 - .35
Singapore, No. 1, bgs ..... lb. .39 - .43
No. 2, bgs ..... lb. .31¼- .34
No. 3, bgs. ..... lb. No stocks
dust, bgs. ..... lb. .17 - .19
seeds, bgs ..... lb. No stocks.
Dandelion root, bls ..... lb. .28 - —
DDD, tech., flake, grd., fib. dms., c.l., works lb. .45 - .47
fib. dms., t.c.l., works ..... lb. .46 - .48
DDT, flake or lump, bgs., c.l., dlvd. lb. .22 - —
bgs., smaller lots, same basis, lb. .24 - —
fib. dms., c.l., same basis ... lb. .23 - —
fib. dms., smaller lots, same basis. lb. .25 - —
Powdered DDT 1c. per pound higher.
1-Decanol, tech., dms., c.l., dlvd. lb. .41 - —
dms., t.c.l., dlvd. ..... lb. .43 - —
tanks, dlvd. ..... lb. .38½- —
Decyl alcohol, mixed isomers, dms., c.l., dlvd lb. .23½- —
dms., t.c.l., dlvd ..... lb. .24½- —
tanks, dlvd. ..... lb. .21 - —
Perfume grade, bots ..... lb. 1.75 - 2.00
Decyl alcohol, normal (see 1-Decanol).
Deertongue leaves, bls ..... lb. .45 - —
Defluorinated phosphate, feed grade, 13% P, paper bags., c.l., t.l., works ..ton.51.00 - —
Defluorinated phosphate, feed grade, 17% P, paper bgs., c.l., works ..ton.60.00 - —
paper bgs., t.l., works ....ton.60.75 - —
18% P, paper bgs., c.l. t.l., works ..ton.69.12 - —
Defluorinated phosphate, feed grade, 19% P, paper bags, works, Houston, Tex., c.l. and t.l. per ton.69.50 - —
Prices of defluorinated phosphate in bulk $3 per ton less than bg. c.l. prices.
Degras, common, bbls ..... lb. .10 - .12
Neutral, bbls. ..... lb. .21 - .23
Denatured alcohol, ethyl, CD-12, CD-13, CD-14, CD-17, dms., c.l., dlvd. E of Rockies .. gal. .64½- .66
dms., t.c.l., same basis ... gal. .69½- .77
tanks, dlvd., same basis ... gal. .48½- .50
Tankcar sales require written authorization by Alcohol and Tobacco Tax Division.
Denatured alcohol, ethyl, proprietary solvent, dms., c.l., dlvd E of Rockies ... gal. .66 - —
dms., t.c.l., same basis ... gal. .71 - .77
tanks, same basis ..... gal. .50 - —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Division.
Denatured alcohol, ethyl, SD1, dms., dlvd. E. of Rockies ... gal. .65½- —
dms., t.c.l., same basis ... gal. .70½- .76½
tanks, same basis ..... gal. .49½- —
SD2B, dms., c.l., dlvd. E. of Rockies gal. .64 - —
dms., t.c.l., same basis ... gal. .69 - .75
tanks, same basis ..... gal. .48 - —
SD2A, dms., c.l., dlvd. E. of Rockies .. gal. .63 - —
dms., t.c.l., same basis ... gal. .68 - .74
tanks, same basis ..... gal. .47 - —
SD3A, dms., t.c.l., dlvd. E. of Rockies gal. .655 - —
dms., t.c.l., same basis ... gal. .705 - .765
tanks, same basis ..... gal. .495 - —
SD3H, dms., c.l., dlvd. E. of Rockies gal. .66 - —
dms., t.c.l., same basis ... gal. .71 - .77
tanks, same basis ..... gal. .50 - —
SD30, dms., c.l., dlvd. E. of Rockies gal. .645 - —
dms., t.c.l., same basis ... gal. .695 - .793
tanks, same basis ..... gal. .485 - —
SD 9, dms., c.l. dlvd. E. of Rockies gal. .63 - —
dms., t.c.l., same basis ... gal. .68 - .74
tanks, same basis ..... gal. .47 - —
SD 3A, dms., c.l. dlvd. E. of Rockies gal. .66 - —
dms., t.c.l., same basis ... gal. .71 - .77
tanks, same basis ..... gal. .50 - —
SD30, dms., c.l., dlvd. E. of Rockies gal. .64 - —
dms., t.c.l., same basis ... gal. .69 - .75
tanks, same basis ..... gal. .48 - —
For anhyd alcohol on above formulas, prices are 7c. per gal. higher.
West coast dlvd. prices are the same as eastern prices, except in Idaho, Montana, Oregon, and Washington where a 5c differential on tankcars is maintained.
d-Desoxyepnedrine hydrochloride, bots lb.24.00 -25.00
dl-Desoxyephedrine hydrochloride, bots lb. 6.50 - —
Dextrin corn gum, paper bgs., c.l. 100 lbs. 9.40 - —
paper bgs., t.c.l. ... 100 lbs. 9.55 - —
Dextrin, corn, canary dark, paper bgs., c.l 100 lbs. 9.24 - —
paper bgs., t.c.l. ... 100 lbs. 9.39 - —
canary light, paper bgs., c.l. 100 lbs. 9.14 - —
paper bgs. ..... 100 lbs. 9.29 - —
white, paper bgs., c.l. ... 100 lbs. 8.98 - —
paper bgs., t.c.l. ..... 100 lbs. 9.13 - —
Corn dextrin in cotton bgs. 15c. per 100 lbs higher
Dextrin, potato, imp., bgs. ..... lb. .10½- .11
Dextrose, anhyd., dms. ..... lb. .20¾- —
USP, dms. ..... lb. .19¾- —
Diacetyl, flavor grade, bots ..... lb. 4.30 - 4.55
Di-sec-amyl phenol, dms., c.l., works lb. .32 - —
dms., t.c.l., works ..... lb. .33 - —
tanks works ..... lb. 29½- —
Di-tert-amyl phenol, dms., c.l., works lb. .32 - —
dms., t.c.l., works ..... lb. .33 - —
tanks works ..... lb. 29½- —
Diacetone alcohol, acetone-free, dms., c.l., dlvd lb. .15½- —
dms., t.c.l., dlvd ..... lb. .16½- —
tanks dlvd ..... lb. .13 - —
Tech., dms., c.l., dlvd ..... lb. .15 - —
dms., t.c.l., dlvd ..... lb. .16 - —
tanks dlvd ..... lb. .12½- —
Diallylamine, dms., c.l., dlvd .... lb. .985 - —
dms., t.c.l., dlvd ..... lb. .995 - —
tanks, dlvd. ..... lb. .96 - —
o-Dianisidine, dry, tech., fib. dms. lb. 2.00 - —
Dibenzyl sebacate, dms. c.l., works. lb. .93 - —
dms., t.c.l., same basis ..... lb. .94 - —
tanks, same basis ..... lb. .91 - —
p-Dibromobenzene, bgs., 500-lb. lots, lb. .55 - —
Dibutyl fumarate, dms., c.l., t.l., frt. alld lb. .33 - —
dms., t.c.l., l.t.l., frt. alld ..... lb. .34 - —
tanks, frt. alld ..... lb. .30½- —
Dibutyl maleate, dms., c.l., t.l., frt. alld lb. .33 - —
dms., t.c.l., l.t.l., dms., frt. alld lb. .34 - —
tanks, frt. alld ..... lb. .30½- —
Dibutyl phthalate, dms., c.l., dlvd E. lb. .32½- —
dms., t.c.l., same basis ..... lb. .33½- —
tanks same basis ..... lb. .30 - —
Dibutyl sebacate, dms., c.l., works. lb. .67½- —
dms., t.c.l., works ..... lb. .68½- —
tanks, works ..... lb. .65½- —
Dibutyl tartrate, dms., works, frt. alld lb. .65½- —
Dibutylamine, dms., c.l., dlvd lb. .55½- —
dms., t.c.l., same basis ..... lb. .56½- —
tanks same basis ..... lb. .53 - —
2,6-Di-tert-butyl-p-cresol, food grade, dms., t.l., c.l., dlvd lb. 1.20 - —
dms. l.t.l., dlvd. lb. 1.24 - —
Feed grade, to vitamin premix distributors, dms., c.l., t.l., dlvd lb. 1.05 - —
dms. t.c.l. same basis ... lb. 1.07 - —
2,6-Di-tert-butyl-p-cresol, tech., dms., c.l., dlvd. lb. .91 - —
dms., t.c.l., dlvd ..... lb. .95 - —
tanks, dlvd. ..... lb. .86 - —
Dicapryl phthalate, dms., c.l., dlvd. lb. .31 - .32
dms., t.c.l., dlvd. ..... lb. .32 - .33
tanks, dlvd ..... lb. .27½- —
Dicapryl sebacate, dms., c.l., works. lb. .63 - —
dms., t.c.l., works ..... lb. .63½- .64
tanks, works ..... lb. .61 - —
Dichlorophenoxyacetic acid (see 2,4-D).
2,5-Dichloroaniline, dms., works lb. .83 - —
o-Dichlorobenzene, dms., c.l., frt. alld. E. lb. .12¾- —
dms., t.c.l., same basis ..... lb. .13¾- —
tanks, same basis ..... lb. .11 - —
p-Dichlorobenzene, dms., c.l., f.o.b., works, frt. alld. E. lb. .12 - —
dms., 2,000 lbs. or more, same basis lb. .14½- —
1,4-Dichlorobutane, dms., c.l., or t.l., works lb. .33½- —
dms., t.c.l., or l.t.l., works ... lb. .34 - —
tanks, works ..... lb. .32 - —
Dichlorodiphenyltrichlorothane (see DDT).
2,2-Dichloroethyl ether, dms., c.l., t.l., dlvd E lb. .15½- —
dms., t.c.l., l.t.l., same basis ... lb. .16½- —
tanks, same basis ..... lb. .13 - —





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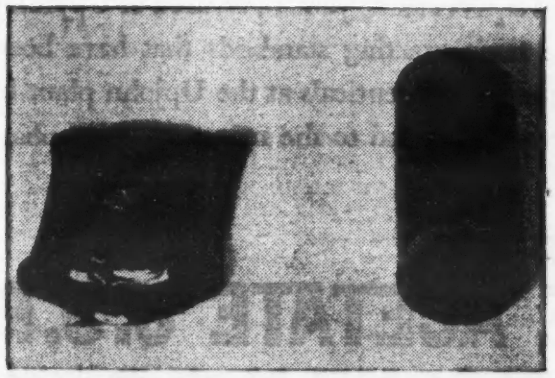
Dichloropentanes—Divinylbenzene

Dichloropentanes, dist., dms., c.l., works	lb.	.05	—
dms., t.c.l., works	lb.	.06	—
tanks, works	lb.	.03	—
Dicyclohexylamine, dms., c.l., works	lb.	.54	—
dms., t.c.l., works	lb.	.55	—
tanks, works	lb.	.52	—
Dicyclohexyl phthalate, fib dms., c.l., works, frt. alld	lb.	.59½	—
fib, dms., t.c.l., same basis	lb.	.60	—
Didecyl phthalate, dms, c.l., works	lb.	.34	—
dms., t.c.l., same basis	lb	.35	—
tanks, same basis	lb	31½	—
Dieldrin, dms, frt alld	lb	1.80	—
dms., t.c.l., frt. alld	lb.	1.95	—
Diethanolamine, dms, c.l., dlvd E	lb.	.27	—
dms., t.c.l., same basis	lb.	.28	—
tanks, same basis	lb.	24½	—
Diethanolamine lauryl sulfate, dms., c.l., frt. alld	lb.	.26	—
dms., t.c.l., frt. alld	lb.	.27	—
tanks, frt. alld	lb.	.25	—
Diethyl barbituric acid (see Barbital)			
Diethylbenzene, dms., t.l., frt. alld	lb.	.16½	—
dms., t.t.l., same basis	lb.	.18½	—
Diethyl carbonate, dms., c.l., frt. alld	lb.	.47	—
dms., t.c.l., same basis	lb.	.48	—
tanks, same basis	lb.	.45	—
Diethyl ethanolamines, dms., c.l., dlvd	lb.	.89½	—
dms, t.c.l. dlvd	lb.	.70½	—
tanks, dlvd.	lb.	.67	—
Diethyl oxalate, dms., c.l., frt. alld.	lb.	.42	—
dms., t.c.l., same basis	lb	.43	.45
tanks, same basis	lb	.40	—
Diethyl phthalate, dms., c.l., dlvd	lb.	.31½	—
dms., t.c.l., dlvd.	lb.	.32½	—
tanks, dlvd	lb.	.29	—
Diethyl sulfate, dms., c.l., works	lb.	.19½	—
dms., t.c.l., works	lb.	.20¼	—
tanks, works	lb.	.17½	—
Diethyl toluamide, 90-95% meta isomer, 5-dm. lots or more, works	lb.	2.35	—
Diethylamine, dms., c.l., dlvd E	lb.	.52	—
dms., t.c.l., same basis	lb.	.53	—
tanks, same basis	lb.	.49½	—
N,N-Diethylaniline, dms., c.l., frt. alld	lb.	.57	—
dms, t.c.l. same basis	lb	.58	—
tanks, same basis	lb.	.55	—
Di-2-ethylhexyl adipate (see Dioctyl adipate)			
Di-2-ethylhexyl phthalate (see Dioctyl phthalate)			
Diethylene glycol, dms., c.l., dlvd. E	lb.	.17¾	—
dms, t.c.l. same basis	lb.	.18¾	—
tanks, same basis	lb.	.15¼	—
Diethylene glycol diethyl ether, dms., c.l., works	lb.	.51½	—
dms, t.c.l., works	lb.	.52¼	—
Diethylene glycol monobutyl ether, c.l., dms., works	lb.	.30¾	—
dms., t.c.l., works	lb.	.31¾	—
tanks, dlvd. E	lb.	.28¼	—
Diethylene glycol monobutyl ether acetate, dms., c.l., works	lb.	.30¾	—
dms., t.c.l., works	lb.	.31½	—
tanks, dlvd. E	lb.	.28¾	—
Diethylene glycol monoethyl ether, dms., c.l., dlvd	lb.	.22½	—
dms., t.c.l. dlvd	lb.	.23½	—
tanks, dlvd. E	lb.	.20	—
Diethylene glycol monoethyl ether acetate, dms., c.l., works	lb.	.27¼	—
dms., t.c.l., works	lb.	.28	—
tanks dlvd E	lb.	.25¼	—
Diethylene glycol monomethyl ether, dms., c.l., dlvd	lb.	.21	—
dms., t.c.l., dlvd.	lb.	.22	—
tanks, dlvd. E	lb.	.18½	—
Diethylenetriamine, dms., c.l. dlvd. E	lb.	.44	—
dms., t.c.l. dlvd. E	lb.	.45	—
tanks, dlvd. E	lb.	.41½	—
Diethylstilbestrol, USP bots., 10-kilo lots	kilo	100.00	-147.50
bots., 1-kilo lot	kilo.	110.00	-152.50
Digitalis leaves, USP dom. dms	lb	1.20	—
Digitoxin, USP, bots.	gram.	4.35	- 4.75
Diglycol laurate, dms	lb.	.32¾	.34
Diglycol stearate, dms, ton lots	lb.	.26	.28
Diglycolic acid, bgs., works	lb.	.14	—
Dihexyl sebacate, dms, c.l., works	lb.	.64	—
dms., t.c.l., works	lb.	.67	—
tanks, works	lb.	.64	—
Dihydrazine sulfate, dms, works	lb.	1.10	- 1.28
Dihydrostreptomycin hydrochloride, bulk	gram.	.0850-	.0875
Dihydrostreptomycin sulfate bulk,	gram.	.0850-	.0875
1,2-Dihydroxy anthraquinone, dms., works	lb	2.75	—
2,2-Dihydroxy-3-5-dichloro-diphenyl-methane, pure, dms	lb.	2.55	—
tech., dms	lb.	1.09	—
Di-isobutyl ketone, dms., c.l., dlvd.	lb.	.17	—
dms., t.c.l., dlvd	lb.	.18	—
tanks, dlvd	lb.	.14½	—
Di-isobutyl phthalate, dms., c.l., dlvd. E	lb.	.31¼	—
dms., t.c.l., same basis	lb.	.32½	—
tanks, same basis	lb.	.29	—
Di-isobutylene, dms., c.l., dlvd. E	lb.	.10	—
dms., t.c.l., dlvd. E	lb.	.11½	—
tanks, dlvd. E	lb.	.08	—
Di-iso-octyl phthalate, dms., c.l., dlvd	lb.	.30¼	—
dms., t.c.l., same basis	lb.	.31½	—
tanks, same basis	lb.	.28	—
Di-iso-octyl sebacate, dms., c.l., works	lb.	.62	—
dms., t.c.l., works	lb.	.62½	.63
tanks, works	lb.	.60	—
Di-isopropanolamine, dms, c.l., dlvd.	lb.	.23¼	—
dms., t.c.l., same basis	lb.	.24¼	—
tanks, same basis	lb.	.20¾	—
Di-isopropylamine, dms., c.l., dlvd. E. of Rockies	lb.	.50½	—
dms., t.c.l., same basis	lb	.51½	—
tanks, same basis	lb	49	—
Dillseed, Indian, dewhiskered, bgs.	lb.	.11	—
Dillseed oil, bots.	lb.	2.50	- 4.25
Dillweed oil, dom., bots., dms	lb.	3.00	4.10
Dimethyl anthranilate, ens	lb	4.85	5.10
Dimethyl ethanolamines, anhyd., dms., c.l., dlvd	lb	1.225	—
dms., t.c.l., dlvd	lb	1.235	—
tanks, dlvd	lb	1.20	—
70% dms, c.l., dlvd., 100% basis, contained amines	lb	.68½	—
dms., t.c.l., dlvd., 100% basis	lb	.69½	—
tanks, dlvd. 100% basis	lb	.66	—
Dimethyl hydroquinone, dms	lb.	2.00	2.20
Dimethyl phthalate, dms., c.l., works	lb.	.32	—
dms., t.c.l., works	lb.	.33	—
tanks, works	lb.	.29½	—
Dimethyl sebacate, dms., c.l., works	lb.	1.31	—
dms., t.c.l., dlvd	lb.	1.30	—
tanks, works	lb.	1.28	—
Dimethyl sulfate, 55-gal. ret. dms., c.l., works	lb.	.15	—
55-gal. ret. dms., t.c.l., works	lb.	.16	—
10-gal. ret. dms., t.c.l., works	lb.	.16½	—
Dimethyl sulfide, dms, c.l., works	lb.	.16½	—
dms., t.c.l., works	lb.	.17	—
tanks, works	lb.	.15	—
Dimethylamine, 25% soln., dms., c.l., frt. equald, 100% basis	lb.	.41	—
dms., t.c.l., frt. equald, 100% basis	lb.	.41½	—
tanks, frt. equald, 100% basis	lb.	.31	—
40% soln., dms., c.l., frt. equald, 100% basis	lb.	.38	—
dms., t.c.l., frt. equald, 100% basis	lb.	.38½	—
tanks, frt. equald, 100% basis	lb.	.31	—
N,N-Dimethylaniline, dms., c.l., frt. alld	lb.	.30	—
dms., t.c.l., frt. alld.	lb.	.31	—
tanks, frt. alld.	lb.	.28	—
N,N-Dimethylformamide, dms., works	lb.	.34	.39
tanks, works	lb.	.32	—
2,4-Dinitroaniline, dms., frt. alld	lb.	.80	—
Dinitroaniline orange toner, CP, bbls., dlvd. E. of Rockies	lb.	1.56	—
Dinitroaniline orange toner prices 1c. higher W. of Rockies.			
m-Dinitrobenzene, 85°C. dms	lb.	.22	—
89° C., dms	lb.	.24	—
2,4-Dinitrochlorobenzene, crystallizing at 46½°C., dms., c.l., frt. alld E	lb.	.15¼	—
dms., t.c.l. frt. alld. E	lb.	.15¾	—
tanks, frt. alld E	lb.	.15	—
48°C., dms., c.l., frt. alld E.	lb.	.20¼	—
dms., t.c.l. frt. alld. E	lb.	.20¾	—
tanks, frt alld. E	lb.	.29	—
2,4-Dinitrophenol, bbls	lb.	.37	—
2,4-Dinitrotoluene, oily, dms.	lb.	.11	—
Refd., 62°C. dms	lb.	.23	—
Dioctyl adipate, dms., c.l., works	lb.	.42½	—
dms., t.c.l., works	lb	.43½	—
tanks, works	lb.	.40	—
Dioctyl phthalate, dms., c.l., frt. alld	lb.	.30½	—
dms., t.c.l., frt. alld	lb.	.31½	—
tanks, frt alld	lb.	.28	—
Dioctyl sebacate, dms., c.l., works.	lb.	.61¼	—
dms., t.c.l., works	lb.	.62¼	—
tanks, works, dlvd	lb.	.59¼	—
1,4-Dioxane, dms., c.l., works	lb.	.30	—
dms., t.c.l., works	lb.	.30¾	—
tanks, works	lb.	.28	—
Dipentaerythritol, bgs., t.c.l., dlvd. E	lb.	.35	—
Dipentene, dest.-dist., dms., c.l., works	gal.	.59	—
dms., t.c.l., works	gal.	.63	—
dms., t.c.l., ex whse	gal.	.79	—
tankcars, works	gal.	.42	—
Dipentene, steam dist., dms., c.l., works, South	gal.	.72	—
dms., t.c.l., dlvd. New York	gal.	.91	—
tanks, works, South	gal.	.55	—
Dip oil (see Tar acid oil).			
Diphenyl, bgs., c.l., t.l., works	lb.	.17¼	—
bgs., t.c.l., works	lb.	.19	—
tanks, works	lb.	.16	—
Diphenyl oxide, perfume grade, ens.	lb.	.63	.83
Diphenyl phthalate, dms., c.l., works	lb.	.51¾	—
dms., t.c.l., works	lb.	.53¾	—
Diphenylamine, refd., flake, bgs., c.l., works, frt. equald	lb.	.33	—
bgs., t.c.l., same basis	lb.	.35	—
Refd., fused tanks, same basis	lb.	.30	—
Refd. diphenylamine in dms. ½c. per lb. higher.			
Diphenylguanidine, bgs., dms., ton lots, frt. alld	lb.	.54	—
bgs., smaller lots, frt. alld	lb.	.55	—
Diphenylhydantoin-sodium USP, dms	lb.	5.00	5.69
Dipropylene glycol, dms., c.l., frt. alld	lb.	.17¾	—
dms., t.c.l., frt. alld.	lb.	.18¾	—
tanks, frt. alld.	lb.	.15¼	—
Dipropylene glycol methyl ether, dms., c.l., dlvd. E	lb.	.20	—
dms., t.c.l., same basis	lb.	.21	—
tanks, same basis	lb.	.18½	—
Dithiodibenzoic acid, dms., 2,000-lb. lots, works	lb.	1.45	—
Di-o-tolylguanidine, dms., ton lots, frt. alld	lb.	.69	—
dms., smaller lots, frt. alld	lb.	.70	—
Divi-divi, 45% tannin, bgs., bls., c.l., US ports, ex deck	ton	76.00	Nom.
Divinylbenzene, 20-25%, dms., c.l., works, frt. equald	lb.	.20	—
dms., t.c.l., same basis	lb.	.21	—
tanks, same basis	lb.	.19	—
Divinylbenzene, 50-60%, dms., c.l., works, 100% basis	lb.	1.00	—
dms., t.c.l., works, 100% basis	lb.	1.05	—

HOW HERCULES HELPS...

REPEL SUMMER INSECTS—A totally new type of insect repellent based on meta Delphene®, Hercules' diethyltoluamide, provides amazingly long protection from insect pests in spite of wiping, rinsing, and perspiration. Hercules pioneered the manufacture of the new repellent, available this season under a variety of consumer labels. These labels identify the active ingredient as diethyltoluamide, the buyers' assurance of an unusually effective product free from unpleasant odor and the "oiliness" long associated with insect repellents.



MAKE STRONGER PLASTIC—A new polyethylene-carbon black plastic is being developed by Hercules and Godfrey L. Cabot, Inc. Combining polyethylene with Cabot's thermal carbon black and Di-cup®, Hercules dicumyl peroxide, this new low-cost plastic has greatly improved resistance to heat and environmental stress cracking.

IMPROVED FOOD QUALITY—Vital Wheat Gluten, a natural protein concentrate derived by Hercules from wheat, will, because of its unique gumlike elastic property, give improved texture as well as nutritional qualities to such products as specialty breads, spaghetti, and cereals.

HERCULES POWDER COMPANY
INCORPORATED
900 Market Street, Wilmington 99, Delaware

CHEMICAL MATERIALS FOR INDUSTRY

HERCULES

Dodecylbenzene, dms., c.l., f.o.b. works, frt. equald lb. .14 - —
dms., l.c.l. same basis lb. .15 - —
tanks, same basis lb. .117 - —

Dyes coaltar certified colors for food, drugs and cosmetics, 500-lb. and 1-lb. lots, dlvd:

Blue, FD&C No. 1 lb. 15.65 -17.60
No. 2 lb 15.65 -17.60
Green FD&C No. 1 lb 15.65 -17.60
No. 2 lb 19.60 -22.85
No. 3 lb. 31.30 -35.90
Red, FD&C No. 1, ens lb 5.90 7.85
No. 2 lb 3.30 4.10
No. 3 lb 19.60 -22.85
No. 4 lb 5.55 7.50
Violet, FD&C, No 1, ens lb 15.65 -17.60
Yellow FD&C No 1 ens lb 9.15 -11.05
No. 5 lb 3.30 4.10
No 6 lb 3.30 4.10

Dyes coaltar certified colors for drugs and cosmetics, 200 lb. and 1 lb lots, dlvd: —
Black, D&C, No 1 lb. 10 50 -10.95
Brown D&C No 1 lb 15 65 -16 10
Green D&C No 5 lb 15 65 -16 10
No 6 lb 15.65 -16.10
No 7 lb 14.35 -14.80
Orange, D&C No. 3 lb 10 50 -10.95
No 4 lb 19.60 -20.05
No 5 lb 5.25 5.70
Red, D&C, No. 17 lb 10.50 -10.95
No. 18 lb 23.55 -24.00
No. 19 lb 15.00 -15.45
No. 21 lb 3.10 3.60
No. 22 lb. 10.50 -10.95
No. 28 lb. 24.20 -24.65
No 33 lb. 17 00 -17 45
Violet D&C, No 2 lb 15.65 -16.10
Yellow D&C No 7 lb 10.50 -10.95
No. 8 lb 10.50 -10.95
No. 10 lb 13.05 -13.50
No 11 lb 13.05 -13.50

Dyes, coaltar certified colors for drugs and cosmetics, external use, 500-lb and 1-lb lots dlvd: —
Blue Ext. D&C, No. 1, ens lb. 15.65 -16.10
Green, Ext. D&C, No. 1, ens lb. 15.65 -16 10
Red, Ext., D&C, No 1 ens lb. 13.05 -13.50
Yellow Ext. D&C. No 1, ens lb. 10 50 -10.95

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype) contract dlvd. No.
20 Chrysoidine Y dustless lb. .89 - —
27 Fast light orange 2G lb 1.29 - —
31 Phloxine 2G lb. 1.05 - —
36 Yellow 2G lb. 1.18 - —
40 Orange R extra, conc lb 1.52 - —
57 Fuchsine 6B lb. 1.55 - —
79 Scarlet 2R lb. 1.16 - —
151 Orange AD lb. .79 - —
161 Orange lb. .94 - —
176 Fast red A lb 1.39 - —
179 Rubine XX, conc lb. 1.47 - —
180 Blue F4B lb. 1.31 - —
185 Brilliant scarlet 3RN, conc. lb. 1.20 - —
202 Chrome blue black R, conc. lb. 1.07 - —
203 Chrome black T lb. .92 - —
208 Fast blue SR lb. 1.30 - —
234 Brown Y lb. 1.27 - —
246 Blue black, extra, conc. lb 1.37 - —
275 Milling red 3R, conc. lb. 1.91 - —
289 Navy blue 3R, conc lb. 1.70 - —
299 Black F, conc lb. 2.19 - —
304 Neutral black 2B, conc lb. 2.61 - —
326 Fast scarlet 4BNC lb. 2.12 - —
332 Bismark brown RX, conc., dustless lb. 1.37 - —
365 Brilliant yellow conc lb. 3.11 - —
382 Scarlet B lb. 2.60 - —
401 Diazo black BHD lb. .93 - —
406 Blue 2B, extra conc lb. 1.53 - —
419 Red FC lb. 1.45 - —
420 Brown M lb. 1.40 - —
448 Red 4BX conc lb. 1.69 - —
518 Diamine sky blue FF, extra, conc lb. 1.95 - —
561 Brown B lb. 2.89 - —
581 Black EB, 200% lb. 1.33 - —
593 Green BY conc lb. 1.02 - —
596 Yellow brown K, extra lb. 1.26 - —
620 Yellow 2G lb 1.31 - —
639 Fast Yellow GG lb. 2.32 - —
640 Yellow XX lb. 2.30 - —
655 Yellow OX lb. 2.64 - —
657 Malachite green V. crystals lb. 2.73 - —
662 Brilliant green G lb 3.62 - —
667 Milling green 6B conc lb. 4.78 - —
671 Blue EG lb. 1.85 - —
681 Crystal violet powder lb. 2.15 - —
698 Violet 6BN powder lb. 2.25 - —
720 Brilliant blue BBG lb. 2.44 - —
729 Blue B, extra conc lb. 3.61 - —
745 Red BX lb. 4.76 - —
800 Chinoline yellow ZSS lb. 2.67 - —
814 Yellow NN, conc lb. 3.67 - —
841 Safranine GF extra, conc lb. 4.11 - —
860 Induline base ZM lb. 1.07 - —
865 Nigrosine J lb. 4.76 - —
922 Blue GXX lb. 2.22 - —
978 Black GXCF conc lb. .38 - —
1034 Alizarin red SC lb. 3.31 - —
1078 Alizarin cyanine green base Z lb. 6.13 - —
1085 Alizarin blue black B lb. 3.02 - —
1096 Golden orange GFD, single paste lb. 2.58 - —
1099 Dark blue BO, single paste, lb. 2.28 - —
1101 Jade green N supra, double paste lb. 1.55 - —
1106 Blue RS, double paste lb. 3.85 - —
1113 Blue, BLFD, double paste lb. 2.92 - —
1150 Olive R, Single paste lb. 1.42 - —
dms. dlvd.
1151 Brown R, single paste lb. 2.29 - —
1171 Indigo synthetic, 20% paste lb. .31 - —
1217 Orange RD, double powder, lb. 4.60 - —
p-4 Brown PG lb. 3.00 - —
p-24 Gray L lb. 2.08 - —
p-80 Diazo brilliant scarlet ROAD lb. 3.62 - —
p-202 Diazo black VJ, conc lb. 2.48 - —
p-244 Brilliant scarlet BN lb. 1.70 - —
p-313 Naphthol SWF lb. 1.76 - —

Dyes, coaltar, oil-soluble, 100-lb. drums, dlvd. No.
24 Oil orange Z-7078 lb. 1.06 - —
73 Oil scarlet BL lb. 1.70 - —
1073 Oil violet ZIRS lb. 6.81 - —
1078 Alizarin green, CG lb. 3.53 - —
1080 Oil violet special Z lb 6.81 - —
Oil black ZBC lb. 4.46 - —
Oil black ZBD lb. 3.03 - —
Oil black ZHH lb. 4.61 - —
Oil black ZMM lb. 6.52 - —
Oil blue ZN lb. 6.02 - —
Oil blue ZV lb. 4.95 - —
Oil orange ZMG lb. 1.32 - —
Oil red N-1700 lb. 1.76 - —
Oil yellow ZG, conc lb. 6.33 - —

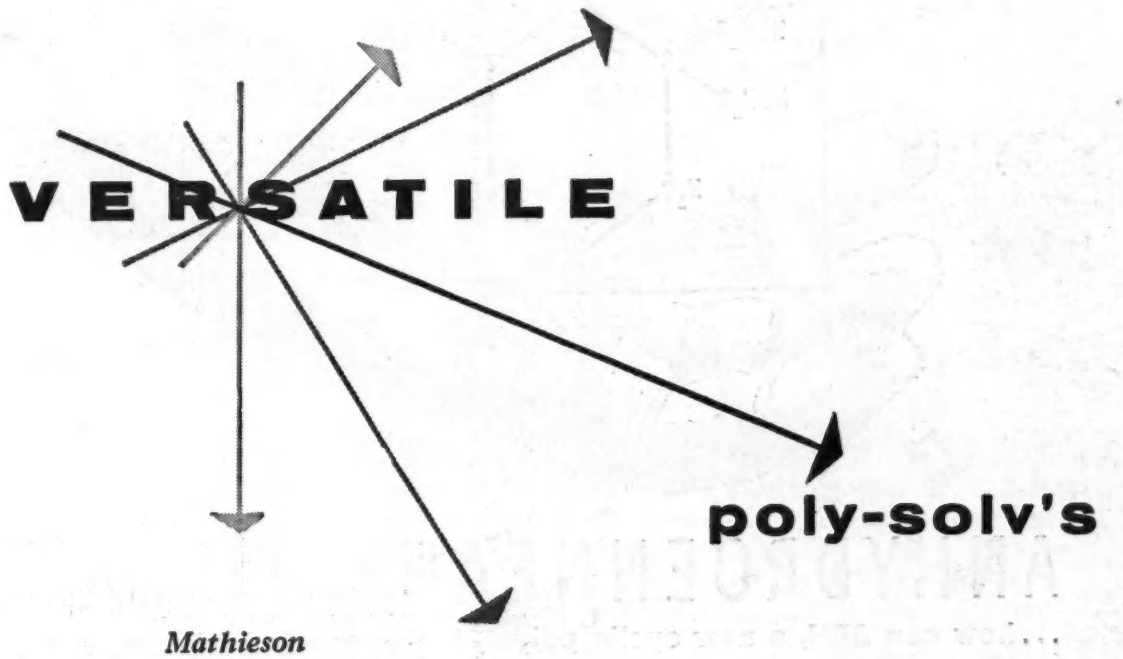
Dyes, coaltar, spirit soluble, 100 lb. dms., dlvd. No.
p-517 Spirit yellow 2R, conc lb. 4.62 - —
p-520 Spirit orange ZR, conc lb 5.87 - —
Spirit black RB lb. 3.54 - —
Spirit brown ZG lb 5.30 - —
Spirit red B, conc lb. 6.41 - —

E

Echinacea root, bls lb. 1.10 - —
Egg albumin (see Albumin).
Egg yolk, dried, dom., bbls. lb. 1.31 - 1.33
Tanners, bbls. lb. .06 - .06½
Elm bark, grinding bls lb. .30 - .32
Powd., bbls., bxs. lb. .45 - —
Select, bundles lb .75 - —
Emetine hydrochloride, USP, bots oz. 42.00 -48.25
Endrin, tech., dms., 100-10,000 lb. lots dlvd., 100% basis lb. 3.45 - —
Eosin red toner, bbls., works lb. 1.65 - —
Ephedrine, syn., USP, anhyd., bots. 100-oz lots oz. .98 - 1.00
hydrous bots. 100-oz lots oz. .92 - —
Ephedrine hydrochloride, NF, tins, 100-oz lots oz. .62 - .72
Ephedrine sulfate USP cryst., tins, 100-oz lots oz. .62 - 75
Powd., tins, 100-oz. lots oz. .62 - .72
Epichlorohydrin, dms. c.l. dlvd lb. .35½- —
dms. l.c.l. dlvd lb. .36½- —
tanks dlvd lb. .33 - —
l-Epinephrine base syn. USP bots., 100 gram lots gram. .58 - —
Epsom salt (see Magnesium sulfate)
Erigeron oil, ens. lb 6.00 7.50
Ergot NF dms. tin-lined lb 1.60 —
Eserine salicylate bots oz. 72.50 -84.00
Eserine sulfate, bots. oz. 87.75 —
Ester gum, gum-rosin type, dms., c.l., dlvd., Ill. Md. Ky., Mich. Mid-Atl. States, N. E States, Minneapolis N. C. Ohio St. Louis, St. Paul Va. W. Va. lb. .17 - —
Ester gum wood-rosin type, dms., c.l., same basis lb. .17 - —

Ether (see specific product)
Ethyl acetate nat. ferment. 85-88%, dms. c.l., frt. alld lb. .13 - —
dms., l.c.l., dlvd lb. .16 - —
tanks dlvd lb. .12½- —
95-98%, dms. c.l., dlvd lb. .15¼- —
dms., l.c.l., dlvd lb. .16¼- —
tanks dlvd. lb. .12¾- —
99%, dms., c.l., dlvd lb. .15½- —
dms. l.c.l. dlvd lb. .16½- —
tanks dlvd lb. .13 - —
syn., 85-88%, dms. c.l., dlvd lb. .15 - —
dms., l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .12½- —
95-98%, dms., c.l., dlvd lb. .15¼- —
dms., l.c.l., dlvd lb. .16¼- —
tanks, dlvd lb. .12¾- —
99%, dms., c.l., dlvd lb. .15½- —
dms. l.c.l., dlvd lb. .16½- —
tanks dlvd lb. .13 - —
Ethyl acetoacetate dms. c.l., dlvd. lb. .58½- —
dms. l.c.l., dlvd lb. .59½- —
tanks, dlvd lb. .56 - —
Ethyl acrylate dms. c.l., t.l., dlvd. lb. .36 - —
dms., l.t.l., dlvd lb. .37 - —
tanks, dlvd lb. .34 - —
Ethyl alcohol, 190 pf., USP, tax paid dms., c.l. dlvd E of Rockies. gal. 20.58 - —
dms., l.c.l., same basis gal. 20.63 -20.69
tanks, same basis gal. 20.43 - —

Ethyl alcohol, 190 pf., USP, tax-free, dms., c.l., dlvd. E. of Rockies. gal. .63 - —
dms., l.c.l., same basis gal. .68 - .74
tanks, same basis gal. .47 - —
Ethyl alcohol, absolute, 200 pf. tax paid dms. dlvd E of Rockies. gal. 21 70 —
dms., l.c.l., same basis gal. 21.75 -21.81
tanks, same basis gal. 21.54 - —
Ethyl alcohol denatured (see Denatured alcohol ethyl).
Ethyl aminobenzoate USP (see Benzocaine)
Ethyl amyl ketone dms., c.l., dlvd. lb. .20 —
dms., l.c.l., same basis lb. .21 - —
tanks, same basis lb. .17½- —
Ethyl benzoate bots lb. .90 —
Ethyl bromide tech. 98% dms., c.l., frt. alld. E lb. .43 - —
dms., l.c.l., frt. alld. E lb. .45 - —
tanks, frt. alld. E lb. .41 - —
2-Ethyl butyl alcohol, dms., c.l., dlvd. works lb. .30 —
dms., l.c.l., works lb. .30¾- —
tanks, works lb. .28 —
Ethyl butyl ketone dms., c.l., t.l., works lb. .36 —
dms., l.c.l., l.t.l. works lb. .36¾- —
tanks, works lb. .34 -
Ethyl butyrate, works lb. .90 1.00
Ethyl carbamate (see Urethane)
Ethyl cellulose vis 7 cps., bgs., 5,000-lb. lots or more, frt. alld. E lb. .73 - —
bgs., smaller lots, frt. alld. E. lb. .75 - —



Mathieson
Glycol Ether Solvents

The Poly-Solv's are clear liquids which are miscible with water and most organic solvents. They contain both an ether and an alcohol group and are therefore strong solvents for a variety of substances. Their high solvency and lack of odor make them ideal for use in many formulations, including those requiring mutual solvency, such as cleaners, dry-cleaning soaps, insecticides, cutting oils.

Poly-Solv EM, **ethylene glycol monomethyl ether,** is used for sealing moisture-proof cellophane and as an aid in obtaining dye penetration in acetate rayon fibers.

Poly-Solv EE, **ethylene glycol monoethyl ether,** is used in lacquer formulations; is a good solvent for resins, naphthol dyes, reduced vat dyes and plasticizers.

Poly-Solv EB, **ethylene glycol monobutyl ether,** is a solvent for lacquers; it strengthens blush resistance, improves flowout, levelling and gloss.

Poly-Solv DM, **diethylene glycol monomethyl ether,** is used in brake fluids, brushing lacquers, spirit-type stamp-pad ink dyes and textile dye pastes.

Poly-Solv DE, **diethylene glycol monoethyl ether,** is used in brake fluids, non-grain raising wood stains and in industrial cleaners.

Poly-Solv DB, **diethylene glycol monobutyl ether,** is valuable where a very low evaporation is required, particularly in vinyl organosis.

Poly-Solv's are produced at Olin Mathieson's modern organic chemicals plant in Brandenburg, Kentucky, and are available in tank cars, tank trucks and 55-gallon drums. Stock points are located in key industrial cities. Write today for data sheets and other important details.

Ethylene Oxide • Ethylene Glycol • Diethylene Glycol Triethylene Glycol • Polyethylene Glycols (Poly-G's) Glycol Ether Solvents (Poly-Solv's) • Ethanolamines Surfactants (Poly-Tergents) • Ethylene Dichloride Dichloroethylether • Polyamines • Ethylene Diamine

Poly-G, Poly-Solv, Poly-Tergent are registered trademarks.

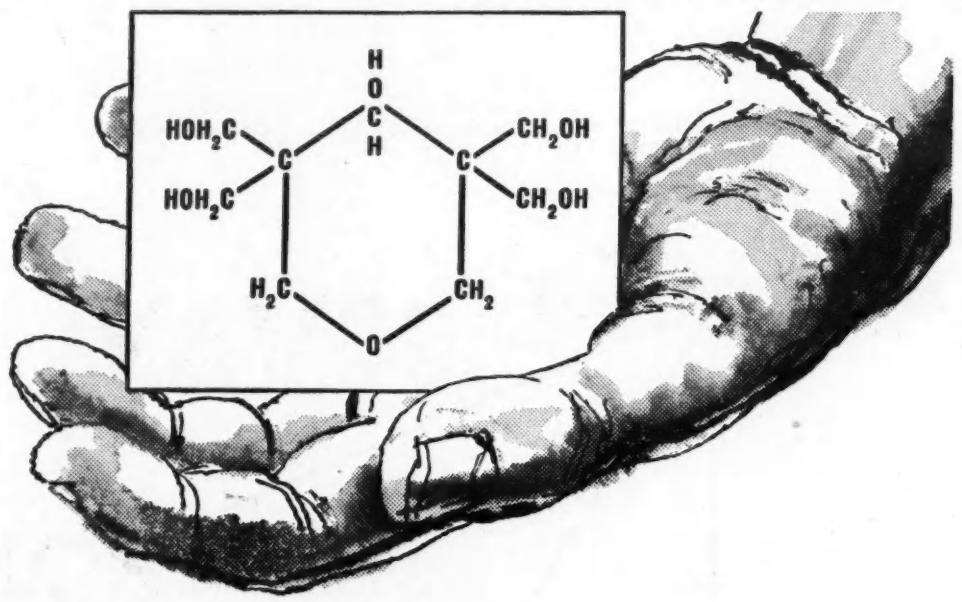
ORGANIC CHEMICALS DIVISION
OLIN MATHIESON CHEMICAL CORPORATION
ONE PARK AVENUE, NEW YORK 16, NEW YORK

Ethyl Cellulose—Fustic Extract

Ethyl cellulose, vis. 10, 20, 50, 100, 150 cps., bgs., 5,000-lb. lots or more, frt. alld. E. lb. .68 • —
bgs., smaller lots, frt. alld. E. lb. .70 • —
Ethyl chloride, tech., cyls., works. lb. .20 • .23
dms., works lb. .18 • .20
tanks, works lb. .10 • —
Ethyl cinnamate, cns. lb. 3.38 • 3.50
Ethyl ethanolamines, mixed, dms., c.l., dlvd. E. lb. .43½- —
dms., l.c.l. dlvd. E. lb. .44½- —
tanks, dlvd. E. lb. .41½- —
Ethyl ether, absolute, ACS, dms. lb. .27 • —
Anesthesia, USP, dealers, 1-lb. cns. lb. 1.01 • —
½-lb. cns. lb. 1.09 • —
¼-lb. cns. lb. 1.21 • —
Ethyl ether, indust., dms., c.l., dlvd. lb. .13½- —
dms., l.c.l., dlvd. E. lb. .14½- —
tanks, dlvd. E. lb. .11 • —
Ethyl gallate, dms., 100 to 2,000-lb. lots lb. 3.90 • 4.40
2-Ethyl hexoic acid, dms., c.l., t.l., dlvd. E lb. .37 • —
dms., l.c.l., l.t.l., dlvd. E. lb. .38 • —
tanks, dlvd E. lb. .34½- —
(2-Ethyl hexoic acid l.c. higher W. of Rockies.)
2-Ethylhexyl acrylate, c.l. or t.l., straight or mixed, frt. alld. E. lb. .52½- —
2-Ethylhexyl acrylate, dms., l.t.l., same basis lb. .53½- —
tanks, same basis lb. .50 • —
Prices of 2-ethylhexyl acrylate are 1½c. per lb. higher in Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
2-Ethylhexyl alcohol, dms., l.c., dlvd. lb. .24¼- —
dms., l.c.l., dlvd lb. .25¼- —
tanks, dlvd lb. .21¾- —
Ethyl iodide, cbys., works lb. 3.30 • —
Ethyl methacrylate, dms., c.l., frt. equald lb. .52 • —
dms., l.t.l., frt. equald lb. .52½- —
tanks, frt. equald lb. .50 • —
Ethyl morphine hydrochloride, USP, bots oz. 11.85 • —
Ethyl nitrite (see Nitrous ether).
Ethyl oenanthate, dms. lb. 1.20 • 1.50
Ethyl oxalate (see Diethyl oxalate).
Ethyl silicate, dist. (see Tetraethyl orthosilicate).
Ethyl silicate, 40% available SiO_2, dms., c.l., dlvd lb. .44½- —
dms., l.c.l., dlvd. lb. .45½- —
tanks, dlvd lb. .42 • —
N-Ethyl-a-naphthylamine, dms., works. lb. 1.02 • —
N-Ethyl-o-toluidide, bbls. lb. .88 • —
Ethylamine (see Mono, Di- or Tri-).
N-Ethylaniline, dms., c.l., frt. alld. lb. .57 • —
dms., l.c.l., frt. alld lb. .58 • —
tanks, frt. alld. lb. .55 • —
Ethylbenzene, 99%, dms., c.l. or t.l., frt. equald lb. .15 • —
dms., l.c.l., same basis lb. .17 • —
tanks, same basis lb. .12½- —
β-Ethylbutyl alcohol, dms., c.l., works lb. .30 • —
dms., l.c.l., works lb. .30¾- —
Ethylene, contract, ref'y gate lb. .0475- .0525
Ethylene dibromide, dms., c.l., frt. equald lb. .30½- —
dms., l.c.l., frt. equald lb. .31½- —
tanks, frt. equald lb. .28½- —
Ethylene dichloride, dms., c.l., dlvd. lb. .11½- —
dms., l.c.l., same basis lb. .12½- —
tanks, same basis lb. .09 • —
Ethylene dichloride prices W. of Rockies, 1c. per lb higher.
Ethylene glycol, indust., dms., c.l., dlvd E lb. .16 • —
dms., l.c.l., same basis lb. .17 • —
tanks, same basis lb. .13½- —
Ethylene glycol monobutyl ether, dms., c.l., dlvd. E lb. .22 • —
dms., l.c.l., dlvd E lb. .23 • —
tanks, dlvd. E lb. .19½- —
Ethylene glycol monoethyl ether, dms., c.l., dlvd. E lb. .21 • —
dms., l.c.l., dlvd. E. lb. .22 • —
tanks, dlvd. E. lb. .18½- —
Ethylene glycol monoethyl ether acetate, dms., c.l. dlvd. E lb. .19½- —
dms., l.c.l., dlvd. E lb. .20½- —
tanks, dlvd. E. lb. .17 • —
Ethylene glycol monomethyl ether, dms., c.l., dlvd. E lb. .21 • —
dms., l.c.l., dlvd. E lb. .22 • —
tanks, dlvd. E lb. .18½- —
Ethylene glycol monomethyl ether acetate, dms., c.l. dlvd. E lb. .29 • —
dms., l.c.l., dlvd. E. lb. .29¾- —
tanks, dlvd. E. lb. .27 • —
Ethylene glycol monostearate, tripie pressed, dms. lb. .33 • .35
Ethylene oxide, dms., c.l., dlvd E lb. .21½- —
dms., l.c.l., dlvd. E. lb. .24½- —
tanks, dlvd. E lb. .15½- —
Ethylene trichloride (see Trichloroethylene)
Ethylenediamine, 85-88%, dms., c.l., dlvd. E., 100% basis lb. .42 • —
dms. l.c.l., dlvd. E., 100% basis. lb. .43 • —
tanks, dlvd. E., 100% basis lb. .40 • —
Ethylvanillin 100-lb. fib. dms., 500-lb lots and over lb. 6.75 • —
Eucalyptol, USP, cns., dms. lb. 1.10 • 1.40
Eucalyptus oil, NF, rectified, 70-75%, dms. lb. .63 • .80
NF, rectified, 80-85%, dms. lb. .70 • .95
Eugenol, USP, dms. lb. 2.00 • 2.20
Euphorbia berb, bls. lb. .15 • .17

F

F acid, crude, paste, bbls., works. lb. 2.10 • —
Feldspar, 140-200 mesh, bulk, c.l., works ton. 19.50 • —
Feldspar in bags $3 per ton higher
Fennel oil, sweet, USP, cns. lb. 2.75 • 2.95
Fennel seed, Argentine, bgs. lb. .13½- —
French, light, bgs. lb. .21 • —
Indian, light, bgs. lb. .25 • —
Rumanian bgs. lb. .14 • —
Yugoslav, light, bgs. lb. .22 • —
Fenugreek seed, Moroccan, bgs. lb. .08 • —
Ferric acetate, liq. 28° bbls., c.l., works lb. .08 • —
bbls., l.c.l., works lb. .09¾- —
Soln., USP IX, cbys. lb. .16 • —
USP IX, djns lb. .17 • —
Ferric chloride, anhyd., tech., dms., c.l., works 100 lbs. 7.50 • —
dms. l.c.l., works 100 lbs. 8.50 • —
Indust., cryst., bbls., c.l., works. 100 lbs. 5.25 • 6.75
bbls., l.c.l., works 100 lbs. 5.75 • 7.25
Ferric chloride, 42° Be. photo grade, cbys., c.l., works 100 lbs. 7.25 • 8.25
sewage grade, tanks, frt. equald, 100% basis 100 lbs. 4.00 • —
USP, cryst. dms., works lb. .07½- .09
Ferric citrate, gran., dms lb. .96 • —
Ferric hypophosphite NF, dms lb. 3.45 • —
Ferric naphthenate, liq., 6% Fe, dms., frt. alld lb. .28¼- —
Ferric oxalate, gran., dms lb. .89 • .91
Ferric oxides (see Iron oxides)
Ferric phosphate, NF, soluble, gran. pearls, cs lb. .64 • .67
Ferric pyrophosphate NF VII, soluble, gran., pearls, dms. lb. .78 • —
Ferric resinate 6¾% Fe., dms., ton lots, frt. alld lb. .36½- —
Ferric stearate, dms. c.l., frt. alld. lb. .39 • —
dms., l.c.l., frt. alld lb. .40 • .44
Ferric sulfate, partly hydrated, bgs., c.l., works ton. 35.25 • —
bgs., l.c.l., works ton. 36.25 • 42.25
bulk, c.l., works ton. 33.25 • —
Ferric-ammonium citrate, brown, pearls, NF, gran., dms lb. .65 • .68
Green, pearls, USP XII, gran., dms lb. .68 • .69
Ferric-ammonium oxalate, fine gran., dms lb. .27½- .29½
Ferric-potassium oxalate, fine gran., dms lb. .32½- .34½
Ferric-sodium oxalate, fine gran- dms lb. .27½- .29½
Ferrous gluconate, USP, dms. lb. .96 • —
Ferrous sulfate, gran., bgs., c.l., works ton. 34.50 • —
Ferrous sulfate, gran., bgs., l.c.l., dlvd. Metropolitan area, 100 lbs. 3.35 • 4.25
bbls. c.l., works ton. 40.00 • —
bulk, c.l., works ton. 27.00 • —
-USP cryst bbls. cms lb 09½ .10
Fir balsam, Canada, bbls. gal. 32.00 -35.00
Oregon, bbls. gal. 3.75 • 4.00
Fir oil, Canada cns lb. 4.80 • —
Fish oil, refd., alkali, dms. lb. .1350- .1400
Kettle-bodied, dms. lb. .1580- .1630
Light-pressed, dms. lb. .1200- .1250
tanks lb. .1050- —
Fishliver oil, high potency, 100,000 A units per gram, dms. 1,000,000 units. .18 • —
200,000 A units per gram, dms. 1,000,000 units. .17½- —
500,000 A units per gram, dms., 1,000,000 units. .18 • —
Fishmeal, dom., mennaden, 60% protein grd., bgs., Chesapeake Bay area ton. 131.00 -133.00
Fishscrap, dom., mennaden, dried, 50% protein, grd., bgs., Chesapeake Bay area ton. 127.00 -129.00
Fleaseed (see Psyllium seed)
Folic acid USP, bots., fib. dms., kilo-lots or more gram .70 • —
10% feed grade, fib. dms., 10 kilos or more kilo. 62.00 • —
Formaldehyde, 37%, (inhibited, 7 to 8% methanol), USP, dms., c.l., dlvd. lb. .0645- —
tanks, dlvd. lb. .0380- —
Formaldehyde, 37%, (inhibited, 12 to 15% methanol), USP, dms., c.l., dlvd. lb. .0670- —
tanks, dlvd. lb. .0405- —
Methanol-free (uninhibited), tanks, dlvd. lb. .0350- —
Formic acid 85%, cbys., c.l., works. lb. .1570- —
cbys., l.c.l., works lb. .1626- .1726
90%, cbys., c.l., works lb. .1625- —
cbys. l.c.l., works lb. .1675- .1778
Fringetree bark, bls. lb. .60 • .61
Fuller's earth bgs., c.l., Ill. mines, ton. 19.00 • —
Calcined, bgs., c.l., same basis. ton. 20.00 -21.75
Insecticide grade, dried, powd., bgs., c.l., Ga. or Fla. mines ton. 17.50 • —
Fuller's earth, oil-bleaching grade, 100-mesh, bgs., c.l., same basis ton. 16.30 -17.00
200-mesh, bgs., c.l., same basis. ton. 17.50 -18.00
Spent, bgs., c.l. ship. point ton. 4.50 5.00
Fumaric acid, tech. bgs., dms., c.l., frt. alld. E lb. .27¼- —
bgs., l.c.l., same basis lb. .28¼- —
Prices of fumaric acid 1½c. per lb higher west of Denver.
Furfural, dms., c.l., works lb. .13 • —
dms., l.c.l., works lb. .14 • —
tanks, dlvd. E. lb. .12 • —
tanks, dlvd. W. lb. .13 • —
Furfuryl alcohol, cns., works lb. .20 • —
dms., c.l., Memphis, Tenn lb. .20 • —
dms., l.c.l. Memphis, Tenn. lb. .21 • —
dms., c.l., Newark, N. J. lb. .21½- —
dms., l.c.l., Newark, N. J. lb. .22½- —
tanks, Memphis, Tenn. lb. .186 • —
Fusel oil, refd., dms., c.l., dlvd lb. .18 • —
dms., l.c.l., dlvd. lb. .19 • —
tanks, dlvd. lb. .15½- —
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .47½- —
No. 2, bbls., l.c.l. lb. .45½- —
No. 3, bbls., l.c.l. lb. .43½- —



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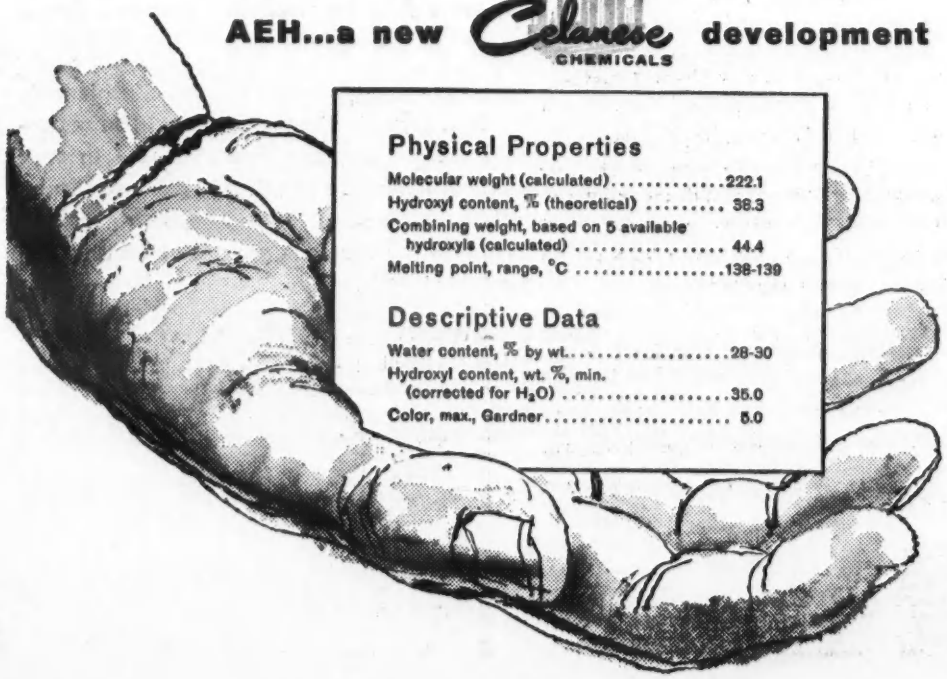
CHEMICALS



Physical Properties

Molecular weight (calculated) 222.1
Hydroxyl content, % (theoretical) 38.3
Combining weight, based on 5 available hydroxyls (calculated) 44.4
Melting point, range, °C 138-139

Descriptive Data

Water content, % by wt. 28-30
Hydroxyl content, wt. %, min. (corrected for H_2O) 35.0
Color, max., Gardner 5.0

Fustic extract, liq., No. 1, bbls., l.c.l., lb. .22½ - —
No. 2, bbls., l.c.l. lb. .21½ - —
No. 3, bbls., l.c.l. lb. .19 - —
Solid, No. 1, bxs., l.c.l. lb. .45 - —

G

G salt, bbls., frt. alld., 100% basis lb. .73 - —
Gallic acid, NF VII, bbls., 1,000-lb. lots lb 2.00 - —
bbls., smaller lots lb 2.02 - 2.22
Tech., bbls., 1,000-lb. lots lb. 1.78 - —
lb. 1.78 - —
bbls., smaller lots lb 1.80 - 2.00
Gamma acid, dry grd., bbls., frt. alld lb 1.50 - —
Paste, bbls. frt alld lb 1.45 - —
Gammapicoline (see g-picoline)
Garlic oil, dom., bots oz. 4.75 - 6.05
Imp., bots. oz. 4.10 - 4.50
Gaultheria oil (see Wintergreen oil)
Gelatin, edible, pure (pork skin), 75 AOAC test, bbls., c.l. lb. .55 - —
150 AOAC test, bbls., c.l. lb. .67 - —
200 AOAC test, bbls., c.l. lb. .74 - —
225 AOAC test, bbls., c.l. lb. .77 - —
275 AOAC test, bbls., c.l. lb. .84 - —
Gelsemium root, bls lb. .26 - —
Gentian root, bls. lb. .23 - —
Grd., bbls., bxs. lb. .27 - —
Powd, bbls, bxs. lb .27 - —
Geraniol, extra, cns., dms. lb. 2.50 - 3.00
Standard, cns., dms lb. 2.00 - 3.40
Geranium oil, Algerian, cns. lb. 14.50 - 17.50
Bourbon, cns. lb. 17.00 - 20.75
Geranium oil, Turkish (see Palmarosa oil)
Geranyl acetate, cns. lb. 2.20 - 2.70
Ginger oil, dist., bots lb. 11.00 - 17.00
Ginger oleoresin, NF, from African root, bots lb. 5.00 - —
NF, from Jamaican root, bots. lb. 14.00 - —
Ginger root, Sierra Leone, bls. lb. .15½ - —
Cochin, bgs. lb. .14 - —
Jamaican, No. 3, bgs. lb. .39 - —
Nigerian, split, bgs. lb. .14 - —
Glauber's salt (see Sodium sulfate)
Gluconic acid, tech., 50%, dms., frt. alld. lb. .18 - —
dms, l.c.l. frt. alld. lb. .20½ - —
tanks, frt. alld. lb. .13½ - —
Glue, bone, extracted, dry bone, 86 jellygrams, bgs, c.l. dlvd. lb. .15 - —
131 jellygrams, bgs., c.l., same basis lb. .17 - —
164 jellygrams, bgs., c.l., same basis lb. .17½ - —
191 jellygrams, bgs., c.l., same basis lb. .19 - —
222 jellygrams, bgs., c.l., same basis lb. .22 - —
Glue, bone, green, dry bone, 40 jellygrams, bgs., c.l., same basis lb. .16 - —
65 jellygrams, bgs., c.l., same basis lb. .16 - —
86 jellygrams, bgs., c.l., same basis lb. .16 - —
115 jellygrams, bgs., c.l., same basis lb. .16½ - —
135 jellygrams, bgs., c.l., same basis lb. .17½ - —
164 jellygrams, bgs., c.l., same basis lb. .18½ - —
180 jellygrams, bgs., c.l., same basis lb. .19½ - —
200 jellygrams, bgs., c.l., same basis lb. .20½ - —
Bone glue, l.c.l., prices 1c higher.
Glue hide, 70-94 jellygrams, ogs., c.l., dlvd lb. .16 - —
95-121 bgs. c.l. dlvd lb. .17 - —
122-149, ogs., c.l. dlvd lb. .18½ - —
150-177, bgs., c.l., dlvd lb. .21 - —
178-206, bgs., c.l., dlvd lb. .23½ - —
207-236, bgs., c.l., dlvd lb. .26 - —
237-266, bgs., c.l. dlvd lb. .28 - —
267-298, bgs., c.l., dlvd lb. .30 - —
299-330, bgs., c.l., dlvd lb. .32 - —
331-362, bgs., c.l. dlvd lb. .34 - —
363-394, bgs., c.l., dlvd lb. .36 - —
395-427 bgs., c.l., dlvd lb. .38 - —
428-460, bgs., c.l., dlvd lb. .40 - —
461-494, bgs., c.l., dlvd lb. .42 - —
495-529, bgs., c.l. dlvd lb. .44 - —
Hide glue, l.c.l., prices 2c. higher.
l-Glutamic acid, 99½%, fib dms., 100-lb lots, frt. alld lb. 2.00 - —
fib dms. 25-lb lots, frt alld. lb. 2.05 - —
l-Glutamine, bots., 100 gm. lots gram. .43 - —
Glycerine, dom., nat., crude, saponification, 88%, dlvd. E., tanks lb. .1760- —
Glycerine, nat., crude, soaplye, 80%, dlvd. E., tanks lb. .16 - —
Imp., nat., crude, soaplye, 80%, c.i.f. lb. .16½ - —
Glycerine nat., refd., USP CP 99%, dms., c.l., dlvd lb. .29¾ - —
dms., l.c.l., dlvd lb. .29¾ - —
tanks, dlvd. lb. .27¾ - —
USP, 96%, dms., c.l., dlvd lb. .28½ - —
dms., l.c.l., dlvd lb. .29 - —
tanks, dlvd. lb. .26¾ - —
high gravity, dms., c.l., dlvd lb. .29¼ - —
dms., l.c.l., dlvd. lb. .29¼ - —
tanks, dlvd. lb. .27¾ - —
Glycerine syn. dms. c.l. dlvd lb. .29½ - —
dms., l.c.l., dlvd lb. .30 - —
tanks, dlvd. lb. .27¾ - —
Glycine (see Aminoacetic acid).
Glycerol (see Glycerine)
Glycolic acid (see Hydroxyacetic acid).
Glyoxal, 30%, dms. c.l., works lb .20½ - —
dms., l.c.l., works lb .21¼ - —
tanks, works lb .18 - —
Golden seal root, NF, tested, bls. lb 4.10 - —
Grapefruit oil, dms. lb. 2.10 - 2.75
Graphite, amorph., powd., bgs., fib. dms. ex whse lb. .08 - .09½
Graphite, amorph., cryst., 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .21½
90-92%, powd., bgs., fib dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
Flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Flake, No. 2, 90-95%, bgs., fib. dms. ex whse lb. .29 - .31
Grease, white, choice all hog, tanks, dlvd. lb. .08¾ - .08¾
Yellow, tanks, dlvd lb. .07½ - .07¾
Grease oil, No 1, dms., c.l. lb. .15¾ - —
dms., l.c.l. lb. .16¾ - .18¼
extra winter strained, dms. c.l. lb. 18¼ - —
dms., l.c.l. lb. 19¼ - .21¼
prime, burning, dms., c.l. lb 19¾ - —
dms., l.c.l lb 20¾ - .22¼

Green Pigments

Green pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Green, chrome, may be found in the C's under Chrome green.

Grindelia robusta herb, bls. lb. .48 - —
Guaiacol, NF, cryst., dms., tins lb. 2.10 - 2.15
NF, liq., cbys., dms. lb. 2.30 - 2.40
Guaiacol carbonate, NF VII, dms. lb. 3.40 - 3.45
Guaiacwood oil, cns. lb. .85 - 1.50
Guar gum, food grade, bgs., c.l. lb. .38 - .44
5,000 lbs. or more lb. .39 - .44
Tech. grade, bgs. lb. .30 - .33

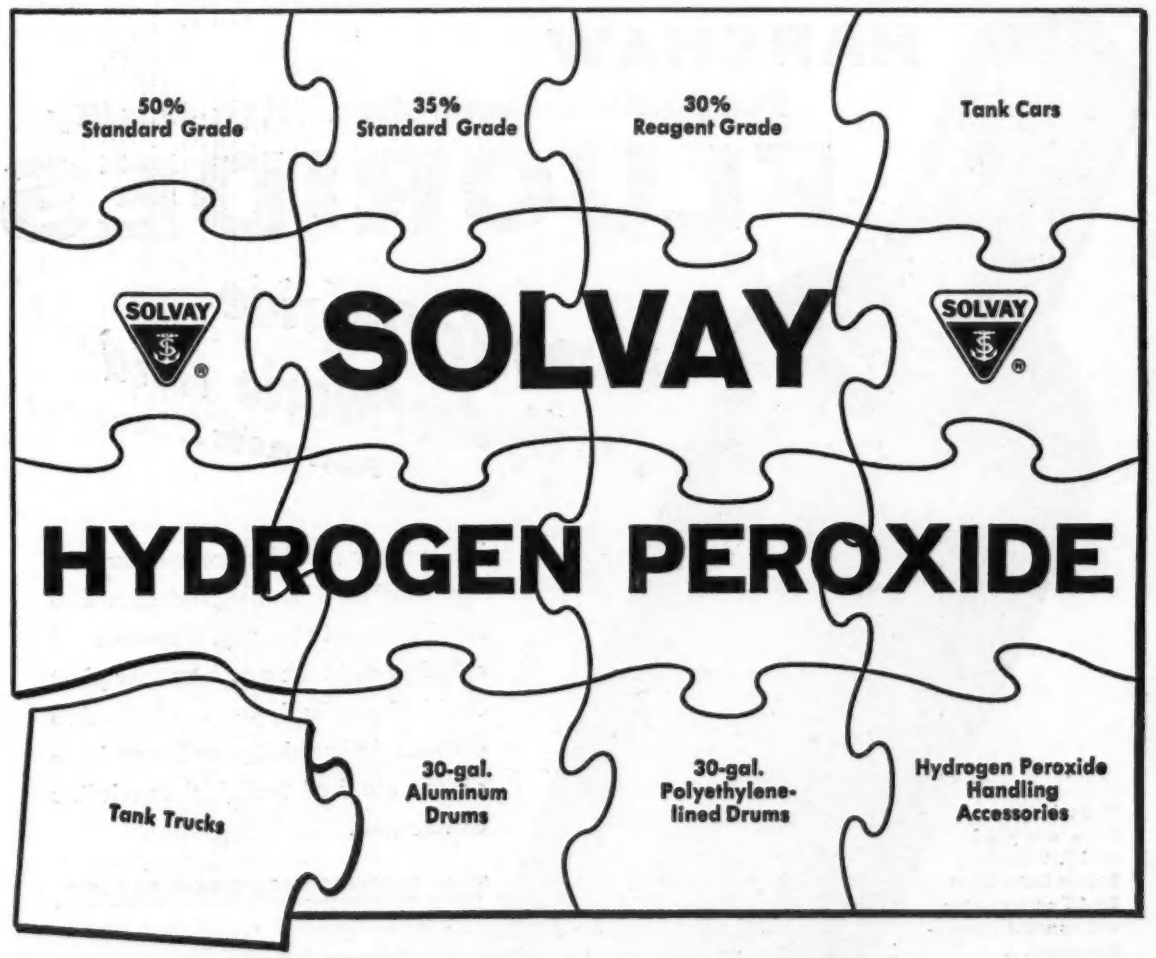
Gums

Gum quotations, formerly grouped under one heading, are now listed individually. For example, prices on Gum, Dammar, may be found in the D's under Dammar gum.

Gypsum, plaster of Paris, 100-lb. paper bgs., trucks, dlvd. New York ton 20.30 - —
Gypsum, terra alba, dom., 100-lb. paper bgs., trucks, same basis ton 20.00 - —
100-lb. paper bgs., trucks, works, New York ton 17.00 - —
Imp., English, 100-lb. paper bgs., ex dock, New York ton 55.00 - —
100-lb. paper bgs., ex whse. ton 60.00 - 62.00

H

H acid, dry, bbls., c.l., frt. alld., 100% basis lb. .90 - —
bbls., l.c.l., same basis lb. .95 - —
Hansa yellow, 10 G, bbls., dlvd. E. of Rockies lb. 2.45 - —
Hansa G yellow, pigment, bbls lb. 2.20 - —
Hawthorn berries, bgs lb .21 - —
Heliotropin, 100-lb. lots, dms. lb. 2.50 - 3.00
Hellebore root, dom., green bls lb. .70 - .75
Helonias root, bls. lb. 1.75 - 2.00
Hematine extract, cryst., No. 1, bbls., l.c.l lb. .47 - —
No. 2, bbls., l.c.l lb. .43 - —
No. 3, bbls., l.c.l lb. .41 - —
No. 4, bbls., l.c.l lb. .39 - —
No. 5, bbls., l.c.l lb. .37 - —
Paste, No. 1, bbls., l.c.l lb .20½ - —
Hemlock oil, cns. lb. 3.00 - 3.55
Henbane leaves, bls lb. .35 - .40
Heptachlor, dms., c.l., t.l., 100% basis, frt. alld lb. .90 - —
Heptane, indust., tanks, Bayonne, N. J gal .20 - —
tanks, Baytown, Tex gal. .16¼ - —
tanks, Borger, Tex gal. .16¼ - —
Hesperidin, purif., 25-lb. lots, f.o.b., works lb 6.95 - —
Hesperidin methylchalcone, bots., 50-lb. lots, works lb. 22.50 - —
bots., 5-lb lots, works lb. 23.00 - —
bots., 1-lb. lots, works lb. 23.50 - —
Hexachlorophene, dms lb. 1.94 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 20,000-lb. lots or more, Perth Amboy or New York lb. .233 - —
bgs. 1,000-19,999-lb lots, same basis lb. .243 - —
bgs., smaller lots, same basis lb. .253 - —
fib dms. 1,000-lb lots or more, same basis lb. .250 - —
fib dms. smaller lots, same basis lb. .253 - —
USP, bgs., 500 lbs. or more, f.o.b. Fords, N. J., dlvd. New York and Philadelphia lb. .42½ - —
bgs. smaller lots, same basis lb. .43½ - .48½
Hexane, indust., tanks, Bayonne, N. J gal. .20 - —
tanks, Borger, Tex., dlvd gal. .16 - —
1-Hexanol, dms., c.l. works lb. .35 - —
dms., l.c.l., works lb. .35¾ - —
tanks, works lb. .33 - —
Hexyl cinnamic aldehyde, dms lb. 4.00 - 7.50
n-Hexyl methacrylate, dms., c.l., works lb. .75½ - —
dms., l.c.l., works lb. .76 - —
Hexyl salicylate, dms lb. 1.75 - —
Hexylene glycol, dms., c.l., dlvd lb. .17½ - —
dms., l.c.l., dlvd lb. .18¼ - —
tanks, dlvd lb. .15 - —
Hexylresorcinol, USP, dms., 25-lb. lots or more, dlvd lb. 14.00 - —
dms., smaller lots, dlvd lb. 14.50 - —
Homatropine hydrobromide, USP, bots. oz. 3.00 - —



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Caustic Potash • Chloroform • Vinyl Chloride • Methylene Chloride
Para-dichlorobenzene • Methyl Chloride • Cleaning Compounds
Hydrogen Peroxide • Aluminum Chloride • Ammonium Bicarbonate
Soda Ash • Carbon Tetrachloride • Mutual Chromium Chemicals
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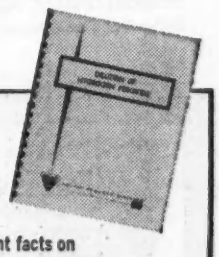

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BC-58

Homatropine methylbromide, USP, bots.. oz. 3.90 - —
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago..unit-ton. 6.00 - —
Horehound herb, bls ..... lb. .16 - .19
Hydrastis (see Goldenseal).
Hydrazine hydrate 85% ret. dms., works lb. 1.35 - 1.55
100%, ret. dms., works ..... lb. 1.60 - 1.90
Hydriodic acid, 1.50 s.g., cbys.... lb. 2.92 - —
1.70 s.g. cbys ..... lb. 3.23 - —
Hydroabietyl alcohol tech., solid, zone 1 dms. c.l. dlvd .. lb. .29¼- —
dms., l.c.l., dlvd ..... lb. .29¾- .30¼
tanks dlvd ..... lb. .27¼- —
Zone 1 for hydroabietyl alcohol comprises all of continental US except Ariz., Calif., Colo. Idaho, Mont., Nev. N M., Ore., Utah, Wash. Wyo. and the western part of Texas.
Hydrobromic acid medicinal, 48%, cbys. dlvd E lb. .37 - .43
Hydrochloric acid, anhyd. (see Hydrogen chloride)
Hydrochloric acid, 18°, cbys., c.l., works 100 lbs. 2.50 - —
cbys., l.c.l., dlvd Metropolitan area 100 lbs. 2.90 - 3.08
tanks, works, frt equald ton. 28.00 - —
20°, cbys., c.l., works 100 lbs.... 2.75 - —
cbys., l.c.l., dlvd Metropolitan area 100 lbs. 3.15 - —
tanks, works, frt. equald ton. 30.00 - —
22°, cbys., c.l., works 100 lbs. 3.25 - —
cbys., l.c.l., dlvd Metropolitan area 100 lbs. 3.65 - —
tanks, works, frt. equald ton. 35.00 - —

Hydrochloric acid, CP, USP, consumers cbys., extra, c.l. works, lb. .15¾- —
cbys., l.c.l., same basis..lb. .17¼- .17¾
6-pint bots., extra cs., c.l., same basis..lb. .20¾- —
5-pint bots., extra, cs., l.c.l., same basis lb. .22¼- .23¼
Hydrocortisone acetate, bulk, bots., kilo lots or more..gram. 2.90 - —
Hydrocortisone alcohol bulk, bots., kilo lots or more..gram. 2.90 - —
Hydrocyanic acid, cyls., c.l., dlvd, lb. .70 - —
cyls., l.c.l., same basis ..... lb. .75 - .90
Hydrocyanic acid, dilute, NF, 2%, 5-lb. bots. lb. .40 - —
Hydrofluoric acid, anhyd. (see Hydrogen fluoride)
Hydrofluoric acid, aqueous, 70%, 55-gal. dms., c.l., t.l., dlvd. 100 lbs. 19.25 - —
55-gal. dms. l.c.l. l.t.l., dlvd.. 100 lbs. 20.75 - —
20-gal. dms., c.l., t.l., dlvd. 100 lbs. 21.00 - —
20-gal. dms. l.c.l., l.t.l., dlvd. 100 lbs. 22.50 - —
tanks, works, frt. equald. 100 lbs. 15.50 - —
Delivered prices apply to all states east of Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico Oregon, Washington, and Wyoming. In those states add $2.70 per cwt. for drum delivery.

Hydrofluosilicic acid, dms., works, 30% basis..lb. .26 - —
Hydrofuramide, dms., fib. ctns., works..lb. .30 - .40
50-lb. cyls., l.c.l., works.....lb. .55 - .60
Hydrogen chloride, anhyd., 50-lb. cyls., l.c., works..lb. .45 - —
Hydrogen cyanide, liq., 96%, tanks, works..lb. .16 - —
Hydrogen fluoride, anhyd., cyls., dlvd. E..lb. .30½- .32½
cyls., dlvd. W.....lb. .29 - —
tanks, works.....lb. .21 - —
Hydrogen peroxide USP bbls., dlvd. lb. .03¾- .05
35%, dms., c.l., dlvd.....lb. .202 - —
dms., l.c.l., dlvd .....lb. .211 - —
tanks, dlvd .....lb. .1800- —
Hydroquinone photo grade, dms..lb. 1.03 - 1.06
Tech., dms., c.l., dlvd.....lb. .82½- —
dms., l.c.l. dlvd .....lb. .84½- —
Hydroxyacetic acid, tech., 70%, dms., Philadelphia and Chicago, lb. .11 - —
tanks, Belle, W Va.....lb. .073 - —
Hydroxycitronellal, cns. .....lb. 4.80 - 5.30
Hyoscine salts (see Scopolamine).
Hyoscyamine hydrobromide, bots.oz. 6.00 - 7.00
Hyoscyamine sulfate bots.....oz. 6.00 - 6.50
Hypernic extract crystl. No. 1, bbls., l.c.l...lb. .32 - —
Liq., No. 1, bbls., l.c.l.....lb. .25 - —
No. 2, bbls., l.c.l.....lb. .27 - —
Hypophosphorous acid, purif., 50%, cbys., ton lots, f.o.b. works..lb. .25 - —
NF, 30%, cbys., all quantities, same basis..lb. .75 - —

I

Ichthammol, NF, dms., jars....lb. .70 - .95
Indigo (see Dyes, coaltar, 1171 Indigo, syn.).
Indol, CP, bots. .....lb. 16.00 - 19.25
Inositol, bots., dlvd.....lb. 3.00 - —
dms., dlvd.....lb. 4.50 - 4.75
Insect flowers (see Pyrethrum).
Iodine, crude, kgs. .....lb. .93 - —
Resub., USP, dms. .....lb. 2.00 - —
Iodochlorohydroxyquinolin. USP, dms..lb. 3.60 - —
Iodoform, NF, dms., kgs.....lb. 4.90 - 5.00
a-Ionone, cns. .....lb. 4.15 - 4.70
b-Ionone, cns. .....lb. 4.50 - 4.90
Ipecac root, whole, bgs. .....lb. 9.00 - —
Powd., bbls., bxs. .....lb. 10.50 - —
Irish moss, bleached, prime, bls lb. .28 - .34
Iron blue, reg., bbls., c.l., dlvd E lb. .52 - —
bbls., l.c.l., ton lots, same basis lb. .53 - —
bbls., smaller lots, same basis, lb. .54 - —
Imp., British, bbls., c.l., same basis lb. .48 - —
bbls., l.c.l., ton lots, same basis, lb. .49 - —
bbls., smaller lots, same basis.lb. .50 - —
Iron blue, alkali-resisting, bbls., c.l., same basis lb. .57 - —
bbls., l.c.l., ton lots, same basis, lb. .58 - —
bbls., smaller lots, same basis.lb. .59 - —
Iron blue dlvd. prices 1c. higher for Pacific Coast states:—Wash., Ore., Cal., N. M., Ariz., Mon., Wyo., Utah, Col., and Nev
Iron compounds (see Ferric or Ferrous).
Iron oxide, black, pure, bgs., c.l., works..lb. .14¾- —
bgs., l.c.l., works.....lb. .15 - —
Iron oxide, brown, pure, bgs., c.l., works..lb. .14¼- —
bgs., l.c.l., works.....lb. .14½- —
Iron oxide, metallic, brown, bgs., works lb. .05¼- —
Iron oxide, Persian Gulf, red, bgs., c.l., works lb. .08¾- —
Iron oxide red, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y..lb. .14¼- —
Iron oxide, red, nat., 75-85% ferric oxide, bgs., c.l., works. lb. .06¼- —
bgs., l.c.l., works.....lb. .06½- —
Iron oxide, Spanish red, bbls., c.l., ex dock..lb. .05¾ Nom.
bbls., l.c.l., ex dock.....lb. .06 Nom.
bbls., l.c.l., ex whse. New York. lb. .06½ Nom.
Iron oxide, yellow, nat., French type, bgs., c.l., works..lb. .06¼- —
Peruvian type, bgs., l.c.l..lb. .023 - .024
Iron oxide, yellow, pure, light lemon shade, bgs., c.l., works lb. .12¼- —
Other shades, same basis..lb. .12 - —
Isoamyl alcohol, dms., c.l., works, frt. alld. E lb. .28 - —
dms., l.c.l., same basis.....lb. .29 - —
tanks, same basis.....lb. .25 - —
Isoborneol, cns.....lb. 1.60 - 1.80
Isobornyl acetate, cns. .....lb. .51 - .56
Isobornyl formate, dms .....lb. 1.20 - —
Isobornyl proprionate, dms.....lb. 1.25 - 1.35
Isobutyl acetate, perfume grade, cns lb. .75 - 1.00
Solvent grade, dms., c.l., dlvd. E. of Rockies lb. .15¼- —
dms., l.c.l., same basis.....lb. .16¼- —
tanks, same basis .....lb. .12¾- —
Isobutyl alcohol, dms., c.l., dlvd. lb. .16 - —
dms., l.c.l., dlvd.....lb. .17 - —
tanks, dlvd.....lb. .13½- —
Isobutyraldehyde, CP, dms., c.l., dlvd lb. .27½- —
dms. l.c.l. dlvd lb. .28½- —
Isobutyraldehyde, tech., dms., c.l., dlvd..lb. .21½- —
dms., l.c.l., dlvd.....lb. .22½- —
tanks, dlvd.....lb. .19½- —
Isoeugenol, cns. .....lb. 3.55 - 3.75
Isoniazid, powd., bulk, 25-kilo lots or more kilo. 23.00 - 25.50
bulk, smaller lots kilo. 24.00 - 26.00
Isonicotinic acid, 100-lb. fib. dms., works lb. 4.25 - —
Isonicotinic acid hydrazide (see Isoniazid)
Iso-octyl alcohol, dms. c.l., dlvd. E. lb. .23½- —
dms., l.c.l., dlvd E .....lb. .24½- —
tanks, dlvd E.....lb. .21 - —
Isopentane, coml. grade, tanks, f.o.b. Tex. refy gal. .15½- —
Isopropanol (see Isopropyl alcohol).
Isophorone, dms., c.l. works...lb. .24½- —
dms., l.c.l., works.....lb. .25¼- —
tanks, works.....lb. .22½- —
Isopropyl acetate, dms., c.l., dlvd. lb. .14 - —
dms., l.c.l., same basis.....lb. .15 - —
tanks, same basis .....lb. .11½- —
Isopropyl alcohol, refd., 91%, dms., c.l., dlvd gal. .53 - —
dms., l.c.l., dlvd.....gal. .60 - —
tanks, dlvd.....gal. .37 - —
Refd., 95%, c.l., dms., dlvd gal. .55 - —
dms., l.c.l., dlvd.....gal. .62 - —
tanks, dlvd .....gal. .39 - —
Refd., 99%, dms., c.l., dlvd gal. .57 - —
dms., l.c.l., dlvd.....gal. .64 - —
tanks, dlvd .....gal. .41 - —
Isopropyl benzene (see Cumene)
Isopropyl ether, dms., c.l., dlvd..lb. .09½- —
dms., l.c.l., dlvd. .....lb. .10½- —
tanks, dlvd.....lb. .07 - —
Isopropyl-N-(3-chlorophenyl) carbamate (CIPC) 70% in xylol, dms., c.l., t.l., works .....lb. .70 - —
dms., l.c.l., works .....lb. .714 - .814
Isopropylamine (see Mono, Di, or Tri-).
Isopropyl-N-phenyl carbamate, 450-lb. fib. dms., c.l., t.l., works lb. .75 - —
450-lb. fib. dms., l.c.l., works...lb. .80 - .90
Isoquinoline, dms., works .....lb. .85 - 1.25
Itaconic acid, purif. fib. dms., c.l., works lb. .54 - —
fib. dms. l.c.l., works ....lb. .55 - —
Tech., fib. dms., c.l. works....lb. .44 - —
fib. dms., l.c.l., works.....lb. .45 - —

J

J acid, paste, bbls., works, 100% basis lb. 2.45 - —
Powd. bbls., same basis.....lb. 3.50 - 3.85
Jalap root, NF, bls .....lb. .90 Nom.
powd. bbls., bxs.....lb. 1.15 Nom.
Japan wax, cs. .....lb. .30 - .31
Juniper berries, bgs. .....lb. .15 - —
Juniper berry oil, bots.....lb. 2.90 - 3.75
Twice rectified bots.....lb. 3.60 - 7.00
Juniper tar, NF dms .....lb. .42 - .60
Juniper tar oil, NF (see Juniper tar).
Juniper wood oil, tech., cns.....lb. .38 - .80

K

Kaolin (see also Clay, China).
Kaolin, NF, powd. fib dms ..lb. .10 - .12
colloidal, 50-lb. bgs.....lb. .15½- .17½

HARSHAW

Production-Controlled High-Quality

FLUORIDES

Boron Trifluoride
Hydrofluoric Acid

ANHYDROUS . . . AQUEOUS

The uses for Fluorides are ever increasing. Harshaw Fluoride production also has increased steadily. Shipments of cylinders and tank cars leave our plant daily. If required, you are invited to draw on the knowledge and experience of our staff of technical specialists on Fluorides.

Write for your free copy of M.C.A. Chemical Safety Data Sheet SD-25 on properties and essential information about . . .
HYDROFLUORIC ACID
Anhydrous and Aqueous

THE HARSHAW CHEMICAL CO.
1945 EAST 97th STREET • CLEVELAND 6, OHIO
Chicago • Cincinnati • Cleveland • Detroit
Hastings-On-Hudson, N.Y. • Houston
Los Angeles • Philadelphia • Pittsburgh

Here is a helpful list of HARSHAW production-controlled high-quality fluorides:

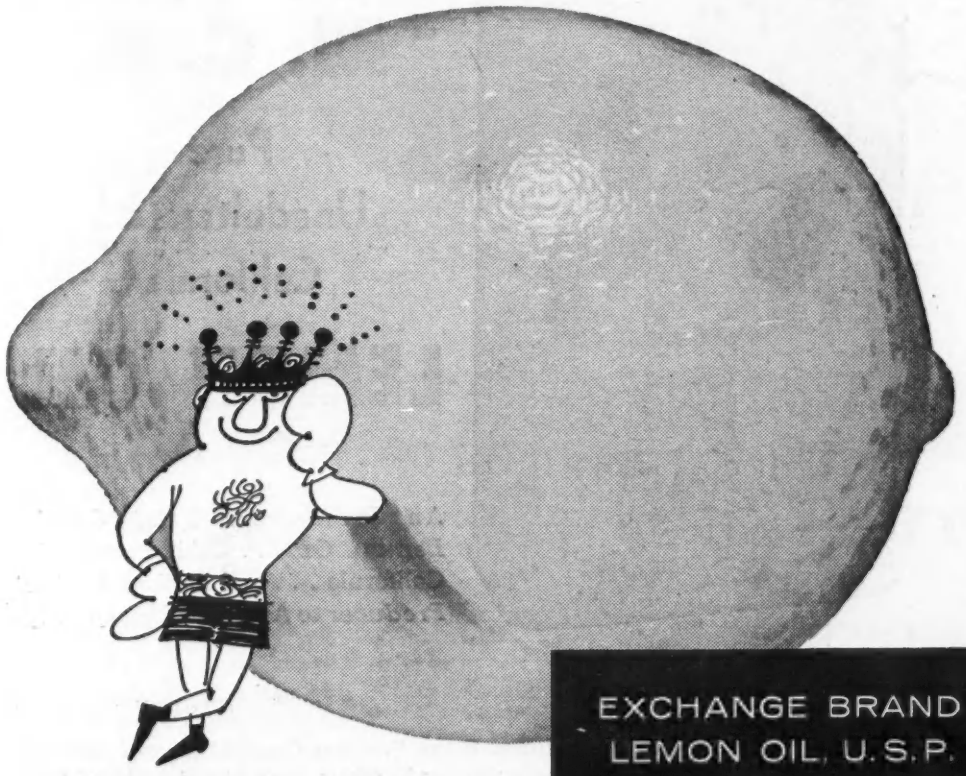
Ammonium Bifluoride
Ammonium Fluoborate
Antimony Trifluoride Sublimed
Barium Fluoride
Bismuth Fluoride
Boron Trifluoride
Boron Trifluoride Complexes
Chromium Fluoride
Copper Fluoborate
Fluoboric Acid
Fluorine Cells
Fluorinating Agents
Frosting Mixtures
Hydrofluoric Acid Anhydrous
Hydrofluoric Acid Aqueous
Hydrofluosilicic Acid
Lead Fluoborate
Metallic Fluoborates
Potassium Bifluoride
Potassium Chromium Fluoride
Potassium Fluoborate
Potassium Fluoride
Potassium Titanium Fluoride
Silico Fluorides
Sodium Fluoborate
Tin Fluoborate
Zinc Fluoborate
Zinc Fluoride

Karaya gum, No. 1 NF powd., bbls. lb. .38 - .43
No. 2, powd., bbls. lb. .32 - .34
No. 3, powd., bbls. lb. .28 - .30
Koch acid, bbls., frt. alld., 100% basis lb. 1.00 - —
Kola nuts, bgs. lb. .13 - —

L

L acid, bbls., works lb. 1.25 - —
Lacquer diluent, petroleum, 150°-240° F b.r., tanks, west coast, ex tax Los Angeles gal. .174 - —
tanks, east coast N. J., N. Y. gal. .20 - —
Benzene type, tanks group 3 gal. .1550- —
Toluene type, tanks group 3 gal. .1437½ —
Lactic acid, edible 50%, bbls., dms., c.l., frt. equald. lb. .1789- .2740
bbls., dms. 20 or more, frt. equald. lb. .1839- .2790
bbls., dms. 5 to 19, frt. qeuald. lb. .1889- .2840
bbls., dms. 1 to 4, frt. qeuald. lb. .1938- .2890
80%, c.l., bbls., dms., frt. equald. lb. .3039- .4625
bbls., dms. 20 or more, frt. equald. lb. .3089- .4675
bbls., dms. 5 to 19, frt. equald. lb. .3139- .4725
bbls., dms. 1 to 4, frt. equald. lb. .3189- .4775
Lactic acid, plastic grade 50%, c.l., bbls., works lb. .2740- —
bbls., 20 or more, works lb. .2790- —
bbls., 5 to 19, works lb. .2840- —
bbls., 1 to 4, works lb. .2890- —
80%, bbls., c.l., works lb. .4625- —
bbls., 20 or more, works lb. .4675- —
bbls., 5 to 19, works lb. .4725- —
bbls., 1 to 4, works lb. .4775- —
Lactic acid, tech. 22% bbls., c.l., works 100 lbs. 6.80 - —
bbls., l.c.l., works 100 lbs. 7.20 - —
44%, bbls., c.l., works 100 lbs. 11.45 -12.70
bbls., l.c.l., works 100 lbs. 11.85 -13.10
USP, 85%, cbys lb. .85 - —
Lactose, crystalline, edible, bgs., 23,000-lb. lots, frt. equald. lb. .14 - —
bgs., 6,000-lb. lots, frt. equald. lb. .14½- —
bgs., 2,000-lb. lots, frt. equald. lb. .14¾- —
bgs., 200-lb lots, frt. equald lb. .15¼- —
Edible lactose in fib dms., ½c. higher.
Lactose, ferment. grade, bgs., c.l., works lb. .08½- —
USP, fib. dms. 30,000-lb. lots, frt. equald lb. .21½- —
Lactose, USP, fib. dms., 2,000-lb. lots, frt. equald. lb. .22¼- —
fib. dms., 200-1,800-lb. lots, frt. equald. lb. .22¾- —
USP lactose in bgs., ½c. to 1c. lower.
Lactose, USP, spray dried, bgs., t.l., frt. equald. lb. .18½- —
bgs., l.t.l., frt. equald. lb. .19 - .19¾
Lady's slipper root, bls lb. 4.50 Nom.
Lake C red toner, alizarine, bbls., works lb. 1.25 - —
Lamp black, bgs. c.l. works lb. .16 - .45
Lanolin, cosmetic, dms., works lb. .27 - .29
USP, anhyd., dms., works lb. .24 - .26
hydrous, dms. works lb. .23 - .25
Lard, cash, dms. lb. .12¾- —
Lard oil (see Grease oil).
Larkspur seed, bgs. lb. .35 - —
Laurel leaf oil, dms. cns. lb. 9.75 -12.50
Laurent's acid, bbls lb. .60 - —
Lauric acid, 90%, dms. lb. .30 - .32½
tanks lb. .27½- —
Lauryl alcohol, bots lb. 2.00 - 2.50
α-Lauryl methacrylate, dms., c.l., t.l. works lb. .63½- —
dms., l.t.l., works lb. .66 - —
Lavandin oil, cns., dms lb. 1.60 - 2.30
Lavender flowers, medium, bls. lb. .75 - .80
Ord., bls. lb. .25 - .40
Select, bls. lb. 1.10 - —
Lavender flower oil, USP, French, 35-37% ester, cns. lb. 3.50 - 5.00
38-42% ester, cns. lb. 10.00 -12.00
Spike, Spanish, cns. lb. 2.05 - —
Lead acetate, NF, cryst., gran., powd. lb. .34½- —
White, cryst., bbls. lb. .25½- —
gran., bbls. lb. .26½- —
powd., bbls. lb. .26½- —
Lead arsenate, acid powder, dealers, 3-lb. bgs. or larger, c.l., frt. alld. on 96 lbs. or more lb. .27½- —
3-lb. bgs. or larger, l.c.l., frt. alld. lb. .28½- —
1-lb. bgs., c.l. lb. .41½- —
1-lb. bgs., l.c.l. lb. .42½- —
Lead, blue, basic sulfate, bbls., c.l., shipt. point, frt. alld. lb. .17¼- —
bbls., l.c.l., same basis lb. .18¼- —
Lead carbonate (see Lead, white, basic cabonate).
Lead chloride, dms lb. .45 - —
Lead iodide, NF, V jars lb. 3.82 - —
Lead linoleate, fused 26% Pb, dms. lb. .38 - —
Lead metal, prime, pigs., New York, lb. .11 - —
St. Louis lb. .1080- —
Lead monosilicate, bgs., c.l., works, frt. equald. lb. .143 - —
bgs., l.c.l., same basis lb. .153 - —
Lead naphthenate, liq., 16% Pb, dms., dlvd. lb. .19½- —
24% Pb, dms., dlvd. lb. .24¼- —
Solid, 37% Pb, dms, dlvd. lb. .31¾- —
Lead nitrate, bbls lb. .26½- —
Lead orthosilicate-gel, 50-60% PbO, dms. works lb. .29¼- .34¼
Lead peroxide, tech. powd., bbls. lb. .45 - .50
Lead phthalate dibasic dms. works, lb. .41 - —
Lead, red, 95% Pb_3O_4 or less, bbls., c.l., works, frt. equald. lb. .13¼- —
bbls., l.c.l., same basis lb. .14¼- —
97% Pb_3O_4, bbls c.l. same basis, lb. .1345- —
bbls., l.c.l., same basis lb. .1445- —
98% Pb_3O_4, bbls., c.l. same basis, lb. .1360- —
bbls., l.c.l., same basis lb. .1460- —
Lead resinate, precip., 23% Pb, dms., ton lots, dlvd. lb. .40¼- —
Lead salicylate, normal, dms., works, lb. .48 - —
Lead silicate, (see Lead, white, basic silicate).
Lead sulfate (see Lead, blue, basic sulfate).
Lead tallate, liq., 16% Pb, dms. lb. .18 - —
24% Pb, dms. lb. .18¼- —
Solid, 30% Pb, dms. lb. .23¼- —
Lead, white, basic carbonate, bgs., c.l., shipt. pt., frt. alld. lb. .16½- —
bgs., l.c.l., same basis lb. .17½- —
Lead, white, basic silicate, bgs., c.l., shipt. pt., frt. alld. lb. .15¼- —
bgs., l.c.l., same basis lb. .16½- —
Lead, white, basic sulfate, bgs., c.l., shipt. pt., frt. alld. lb. .16¼- —
bgs., l.c.l., same basis lb. .17¼- —
Lecithin, edible, tech., bleached, non-ret. dms., c.l., works, lb. .14 - .18
non-ret. dms., l.c.l., same basis lb. .15 - .16
unbleached, non-ret. dms., c.l., same basis lb. .13 - .14
non-ret. dms., l.c.l., same basis lb. .14 - .15
Lemon bioflavonoid complex, fib. dms., 25-lb. lots, works lb 9.00 - —
Lemon oil, terpeneless, bots. lb. 20.00 -44.00
USP, Calif., cns., dms lb. 3.15 - 4.00
Messina, cns. lb. 4.50 - 9.50
Lemongrass oil, cns., dms lb. 1.10 - 1.50
di-Leucine, dms., works lb. 12.25 -15.00
Licorice root, gran., bls. lb. .15 - .17
Powd., bls. lb. .12 - .15
Whole, bls. lb. .10 - .12
Lignaloe wood oil, Mexican, cns lb. 3.25 - 3.50
Lignosulfonate, 70% tannin, bgs., c.l., works lb. .06½ —
bgs., l.c.l., works lb. .06¾- .07
Lime, chemical (quicklime), bulk, c.l., 50,000 lbs., works, E. ton 14.25 - —
Chemical, hydrated, bgs., c.l., same basis ton 17.25 - —
Chemical, spray, bgs., c.l., same basis ton 18.25 - —
For New York delivery, add $6.29 freight charge.
Lime oil, dist., Mexican, cns. lb. 6.25 - 6.80
West Indian, cns lb. 6.25 - 6.75
Expressed, West Indian, cns lb. 8.50 -13.70
Terpeneless, dist., bots lb. 68.00 —
expressed lb. 82.00 -105.00
Lime salts (see Calcium).
Lime-ammonium nitrogen, 20.5% N (see Ammonium nitrate with dolomite).
Limestone grd., bgs., works ton 3.50 - 4.00
Linalool, ex bois de rose oil, dms. lb. 4.35 - 4.65
Ex linaloe wood oil, dms. lb. 4.20 - 4.65
Syn., dms., works lb. 4.40 - —
Linalyl acetate, ex bois de rose, 90-92%, dms. lb. 4.70 - 5.35
96-98%, dms. lb. 5.25 - 6.60
Ex petitgrain, bots. lb. 4.80 - 5.90
Syn., dms., works lb. 4.40 - —
Lindane, 25% formulation, dealers, dms., frt. alld. lb. 1.65 - 1.82
Lindane, 99%, tech. formulators, dms., frt. alld. lb. 2.65 - 3.23
Linden flowers, with leaves, bls lb. .25 - —
Without leaves, bls lb. .30 - —
Linseed meal, expeller, 32% bulk, Minneapolis, mills ton 56.50 - —
Extracted, 34% bulk, same basis. ton 55.00 - —
Linseed oil, raw, dms., c.l., New York lb. .1730- —
dms., l.c.l., New York lb. .1830- —
tanks, f.o.b. Minneapolis lb. .1370- —
tanks, New York lb. .1520- —
tankwagon, New York lb. .1560- .1580
Boiled linseed oil .006c. per lb. higher
Linseed oil acids, dist., dms lb. .2030- —
Water-white, dms. lb. .2330- —
Linseed pitch, dms lb. .06 - .06¼
Litharge, comi., powd., bbls. c.l., works, frt. equald. lb. .12¾- —
bbls., l.c.l., same basis lb. .13¾- —
Lithium benzoate, dms lb. 1.65 1.67
Lithium bromide, NF, gran., works, frt. equald lb. 2.60 - —
Lithium carbonate, NF, dms., c.l., t.l., dlvd lb. 1.29½- —
dms., ton lots to t.l. dlvd lb. 1.30 - 1.30½
Tech., dms., c.l., t.l., frt. alld. lb. .67 - —
dms., ton lots, same basis lb. .73 - —
dms., smaller lots, same basis, lb. .79 - —
Lithium chloride, CP, anhyd., dms., ton lots lb. 1.23½- —
Lithium chloride, tech., anhyd., dms., c.l., t.l., dlvd. or works, frt. alld lb. .87 - —
dms., l.c.l., same basis lb. .88 - .93
Lithium citrate, NF, dms., ton lots, lb. 1.50 - —
Lithium fluoride, dms., 20,000-lb. lots, dlvd lb. 2.15 - —
bbls., ton lots and more, dlvd. lb. 2.18½- —
bbls., less ton lots, dlvd lb 2.23½- —
Lithium hydride, powd., dms., 500-lb. lots and more, works lb. 9.50 - —
Lithium hydroxide, monohydrate, dms., c.l., t.l., frt. alld. lb. .55 - —
dms., l.c.l., frt. alld lb. .56 - —
Lithium manganite, dms., works lb. .95 - 1.05
Lithium nitrate, tech., dms., 100-lb. lots lb. 1.13 - 1.23
Lithium salicylate, dms. lb. 1.60 - 1.70
Lithium silicate, dms., works lb. 1.10 - 1.20
Lithium stearate, dms., c.l., works, lb. 47½- —
dms., ton lots, works lb. 48½- —
dms., less-ton lots, works lb. 53½- —
Lithium sulfate, dms. 100-lb. lots, lb. 1.15 - 1.23

How does one lemon oil become the unchallenged champion?



It must start with the correct varieties of lemon (California Lisbons, Eurekas and Villa Francos) for prized bouquet and character.

It must all be cold pressed from the peel to capture the superb true lemon flavor.

It must be bulk-blended from the correct proportions of oils from coastal and desert grown lemons.

It must be delivered unaltered to the buyer.

All of these things the Sunkist Growers do with the benefit of the greatest source of fruit, ultra-modern equipment and years of skill...to make Exchange Brand Lemon Oil the world's best.

Now you have the convenience of two types blended to specific needs. Both come to you in containers sealed with tamper-proof tabs stamped "Exchange."

Sunkist Growers PRODUCTS DEPARTMENT
ONTARIO, CALIFORNIA

EXCHANGE BRAND
LEMON OIL, U.S.P.
Exchange
CALIFORNIA COLD PRESSED

Distributed in the U.S. and Canada by

DODGE & OLCOTT, INC.
180 Varick St., New York 14, N.Y.

FRITZSCHE BROTHERS, INC.
76 Ninth Ave., New York 11, N.Y.

UNGERER & COMPANY, INC.
161 Avenue of the Americas, New York 13, N.Y.

Inquiries from countries other than the U.S. and Canada should be directed to the Sunkist Growers, Products Department.

Lithium titanate, dms.. works lb. 1.15 - 1.25
Lithol red toner, barium, bbls., works lb. .98 - —
Lithol-rubine red toner, pure bbls., works lb. 1.50 - —
Resinated, bbls., works lb. 1.47 - —
Lithopone, ord. bgs. c.l. dlvd E. lb. .08¾- —
bgs., l.c.l., dlvd E lb. .09¼- —
Titanated (high-strength), bgs., c.l., dlvd lb. .11 - —
bgs. l.c.l. dlvd lb. .12 - —
Lobelia herb, bls. lb. .50 - .65
Lobeline sulfate, bots., works oz. 37.50 -38.50
Locust bean gum, powd., bgs. lb. .38 - .39
Logwood extract, cryst., No 1, bbls., l.c.l lb. .41 - —
No 2 bbls., l.c.l. lb. .39 - —
Liq. No. 1, bbls., l.c.l. lb. .20 - —
No. 2, bbls., l.c.l. lb. .19 - —
No. 3, bbls., l.c.l. lb. .18½- —
Solid, No. 1, boxes, c.l. lb .35 - —
Lycopodium cs. lb. 8.00 - —
dl-Lysine monohydrochloride, fib. dms lb. 12.00 - —
l-Lysine monohydrochloride, fib. dms., 25 lbs. or more lb. 8.00 - —

M

Mace, Siauw, bls. lb. 2.40 - —
Siauw, No. 2, whole, bls. lb. 2.10 - —
siftings, bls. lb. 2.00 - —
Mace oil, dist., cns., dms. lb. 13.50 -15.75
Magnesia, calcined tech. bgs., cns., frt. equald lb. .25¼- .26½
Tech., syn., rubber grade, light, bgs., c.l. frt. equald lb. .29¼- .30½
rubber grade extra light, bgs., c.l. frt. equald lb. .29¼- —
bgs., l.c.l., frt. equald. lb. .30½- —
USP, light bgs. lb. .36½- .37½
heavy fib. dms. lb. .45 - .52
Magnesite, chemical grade, calcined, powd., bgs., c.l., works, frt equald ton. 82.50 - —
Magnesite, chemical grade, dead-burnt, standard grain, bulk, c.l., Chawelah, Wash ton. 46.00 - —
Magnesium bromide cs. jars lb. .93 - 1.00
Magnesium carbonate, tech., bgs., c.l., frt. equald lb. .10½- —
bgs., t.l., frt. equald lb. .11 - —
bgs., l.c.l., frt. equald lb. .12½- .13½
Magnesium carbonate, USP, bgs., c.l., frt. equald lb. .13 - —
bgs., t.l., frt. equald lb. .13½- —
bgs., l.c.l. frt. equald lb. .14½- .15½
Above prices are quoted f.o.b. works, freight equald, with Metropolitan New York and competitive producing points.
Magnesium chloride, anhyd., 92% flake or pebble dms., c.l., works lb. .12¾- —
dms., l.c.l., works lb. .14 - .15
Magnesium chloride, hydrous, 99% flake, bgs., c.l., works. ton. 55.00 - —
bgs., l.c.l., works ton. 65.00 -80.00
Magnesium gluconate, dms. lb. 1.42 - —
Magnesium hydroxide, NF, powd., dms., 500-lbs. or more, f.o.b., works lb. .24½- .25½
Magnesium lauryl sulfate, dms., c.l., frt. alld. lb. .21 - —
dms., l.c.l., frt. alld. lb. .22 - —
tanks, frt. alld. lb. .20 - —
Magnesium metal, 99.8% ingots, 10,000-lb. lots or more, works lb. .26 - —
Pigs, 10,000-lb. lots or more, works lb. .25¼- —
Sticks, cs, works, frt. alld. on carlots lb. .59 - —
Magnesium nitrate, cryst., dms., works lb. 29 - —
Magnesium oxide (see Magnesia, calcined).
Magnesium peroxide, 15%, dms., works lb. 1.00 - 1.05
Magnesium phosphate, tribasic, NF, bbls. lb. .75 - —
Magnesium silicate (see Talc).
Magnesium silicofluoride, dms., works lb. .10½- .12
Magnesium sulfate, tech., bgs., works, 100 lbs. 2.15 - —
bgs., l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
bgs., l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
bgs., smaller lots 100 lbs. 3.35 - —
Magnesium trisilicate, USP, fib. dms., 5,000-lb. lots lb. .38 - —
fib. dms., 1,000-lb. lots lb. .40 - —
fib. dms., 100-lb. lots lb. .45 - —
Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.
Malachite green, straight, PTMA, bbls., works lb. 5.30 - —
Malathion, dms., c.l., works lb. .89 - —
dms., l.c.l., works lb. .92 - 1.01
Maleic acid, cryst., powd., dms. lb. .37¼- —
Maleic anhydride, dms., c.l., dlvd. E. of Rockies lb. .28¾- —
dms., l.c.l., dlvd. E. of Rockies lb. .29¾- —
tanks, dlvd. E. of Rockies lb. .27¾- —
Prices on maleic anhydride W. of Rockies, 1½c. per lb. higher.
Malic acid, tech., dms. lb. .50 - —
Mandelic acid, NF, dms., 1,000-lb. lots, lb. 2.35 - —
dms., smaller lots lb. 2.40 - 2.50
Mandrake root, bls. lb. .55 - —
Manganese acetate, bbls., dlvd lb. .35 - —
Manganese borate, tech., fib. dms. lb. .23½- —
Manganese carbonate, bbls., works. lb. .22 - —
Manganese chloride, anhyd., dms., works lb. .25½- —
Manganese dioxide, African, 83-87%, 40,000 to 99,999-lb. lots, burlap paper lined bgs., gross for net, works ton. 148.00 - —
40,000 to 99,999-lb lots, paper bgs., same basis ton. 144.50 - —
40,000 to 99,999-lb. lots, dms., same basis ton. 152.50 - —
Prices for manganese dioxide in 10,000 to 40,000-lb lots $3 per ton higher.
Manganous gluconate dms. lb. 1.84 - —
Manganese hydrate, bbls., dlvd lb. .36 - —
Manganese hypophosphite, NF, dms. lb. 3.53 - —
Manganese linoleate, liq., 4.35% Mn, dms. lb. .35¾- —
Solid, precip., 8.2% Mn, bbls lb. .41¼- —
Manganese metal, electrolytic, dms., c.l., dlvd. E lb. .34 - —
dms., ton lots, dlvd. E lb. .36 - —
dms., smaller lots, dlvd. E lb. .38 - —
Manganese naphthanate, liq., 6% Mn, dms., frt. alld. lb. .29¾- —
Manganese resinate, fused, 3½% Mn, dms lb. .25¼- —
Precip., 6½-7% Mn, dms. lb. .33 - —
Manganese sulfate, fertilizer grade, 65% $MnSO_4$, bgs., c.l., dlvd. S. E ton. 97.50 - —
bgs., l.c.l., dlvd. S.E ton. 104.50 - —
Manganese tallate, 6%, dms lb. .24 - —
Mangrove bark, E. African, 38% tannin, bgs., c.l., ex dock. ton. 64.00 -65.00
South American, 30% tannin, bgs., c.l., ex dock ton. 47.00 -50.00
Manila copal gum, C, bgs. lb. .34 - .38
DBB, bgs. lb. .24 - .27
DK, bgs. lb. No stocks.
DK, dust, bgs. lb. .14 Nom.
MA, soft, bgs. lb. .20 - .24
WS, bgs. lb. No stocks.
Mannitol, com'l, fib. dms., ton lots, works lb. .60 - —
fib. dms., to ton lots, works lb. .62 - —
fib. dms., single dm., works lb. .65 - —
Marine pitch, dms lb. .04¼- .05
MBTS (see Mercaptobenzothiazyl disulfide).
MBT (see 2-Mercaptobenzothiazole).
Melamine, bgs., c.l., works lb. .30 - —
bgs., l.c.l., works lb. .31 - —
Menadione, USP, bots gram. .044 - .05
Menhaden oil crude tanks, works, Atl. & Gulf lb. .07¼- —
Menthol, nat., USP, Brazilian, cs. lb. 5.50 Nom.
Japanese, cs. lb. 7.00 - 7.15
Syn., USP racemic cns lb. 4.50 - —
2-Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .44 - —
bgs., fib. dms., less ton lots, same basis lb. .46 - —
Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton lots, works, frt. alld lb. .54 - —
bgs., fib. dms., less ton lots, same basis lb. .56 - —
Mercuric chloride, NF, cryst., dms., 50-lb. lots or more lb. 4.96 - —
NF, gran. or powd., dms., 100-lb. lots or more lb. 4.78 - —
Mercuric cyanide, NF, VIII, powd., fib. dms lb. 6.84 - —
Mercuric iodide, red, NF X, fib. dms. lb. 7.72 - —
Mercuric oxide, red, NF X, powd., 50-lb. lots or more lb. 5.97 - —
Tech., 100-lb. lots or more, works, lb. 5.77 - —
Mercuric oxide, yellow, NFX, fib. dms. lb. 6.14 - —
tech., bbls., 1,000-lb. lots lb. 5.58 - —
bbls., smaller lots lb. 5.60 - —
Mercurous chloride (see Calomel).
Mercurous iodide yellow, NF lb. 7.72 - —
Mercury, ammoniated (see White precipitate, USP XV).
Mercury metal, 76 lbs. per flask, net-flask. 229.00 -232.00
Mesityl oxide, dms., c.l., dlvd lb. .15 - —
dms., l.c.l., dlvd. lb. .16 - —
tanks, dlvd. lb. .12½- —
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Chloroaniline).
Metanilic acid, dms., works lb. .57 - .75
Metanitroparatoluidine (see m-Nitro-toluidine).
Metanitroaniline (see m-Nitroaniline).
Metaphenylenediamine (see m-Phenylenediamine).
Metatoluidine (see m-Toluidine).
Metatolylenediamine (see 2,4-tolylenediamine).
Methacrylic acid, glacial, 98%, dms., truckloads, works lb. .47 - —
dms., smaller lots, works lb. .47½- .50
tanks, works lb. .45 - —
Methanol, nat., denaturing grade, tanks, frt. alld gal. .85 - —
Syn., zone 1, dms., c.l., or t.l. min., dlvd. gal. .47½- —
dms., l.c.l., dlvd gal. .54½- —
tankwagon, 2,000-4,000 gal. lots, dlvd. Metropolitan area gal. .31 - —
tankwagon, 4,000 gal., min., dlvd gal. .26 - —
tankwagon, 4,000 gal. min., works gal. .25 - —
Syn., zone 2, dms., c.l., or t.l., min. frt. alld. or dlvd gal. .51½- —
dms. l.c.l., works gal. .58½- —
tankwagon, 2,000-4,000-gal. lots, min., dlvd. Metropolitan areas gal. .35 - —
tanks, 4,000 gal. min., dlvd. gal. .30 - —
Synthetic methanol zones are: Zone 1 is all continental US E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of US west of above state boundaries comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine).
dl-Methionine, fib. dms., frt. alld. 50-lb. or more lb. 3.50 - —
Feed grade, 98%, fib. dms., same basis lb. 2.45 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld lb. .61 - .64

ONE LABEL — *First Grade Only*
ONE PRICE — *That Saves You Money*
. . . and Perfect Performance for *Every* Purpose!

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Pure
Unadulterated
California
LEMON OIL
U.S.P.

An *Exclusively First Grade Lemon Oil* . . . Cold Pressed in California . . . and *Packed by the Producer* to Assure Highest Quality

For nearly 30 years, Mutual Citrus Products Co. has been cold-pressing California lemon oil for distribution by others. Now, M.C.P. LEMON OIL is being *prepared and packed* under the M.C.P. label. There is only *one* label and *one* quality — *the highest* — for M.C.P. LEMON OIL. Yet, M.C.P. LEMON OIL costs you *less* . . . while providing a product that is unsurpassed for flavor, purity, and dependability . . . for *every* purpose.

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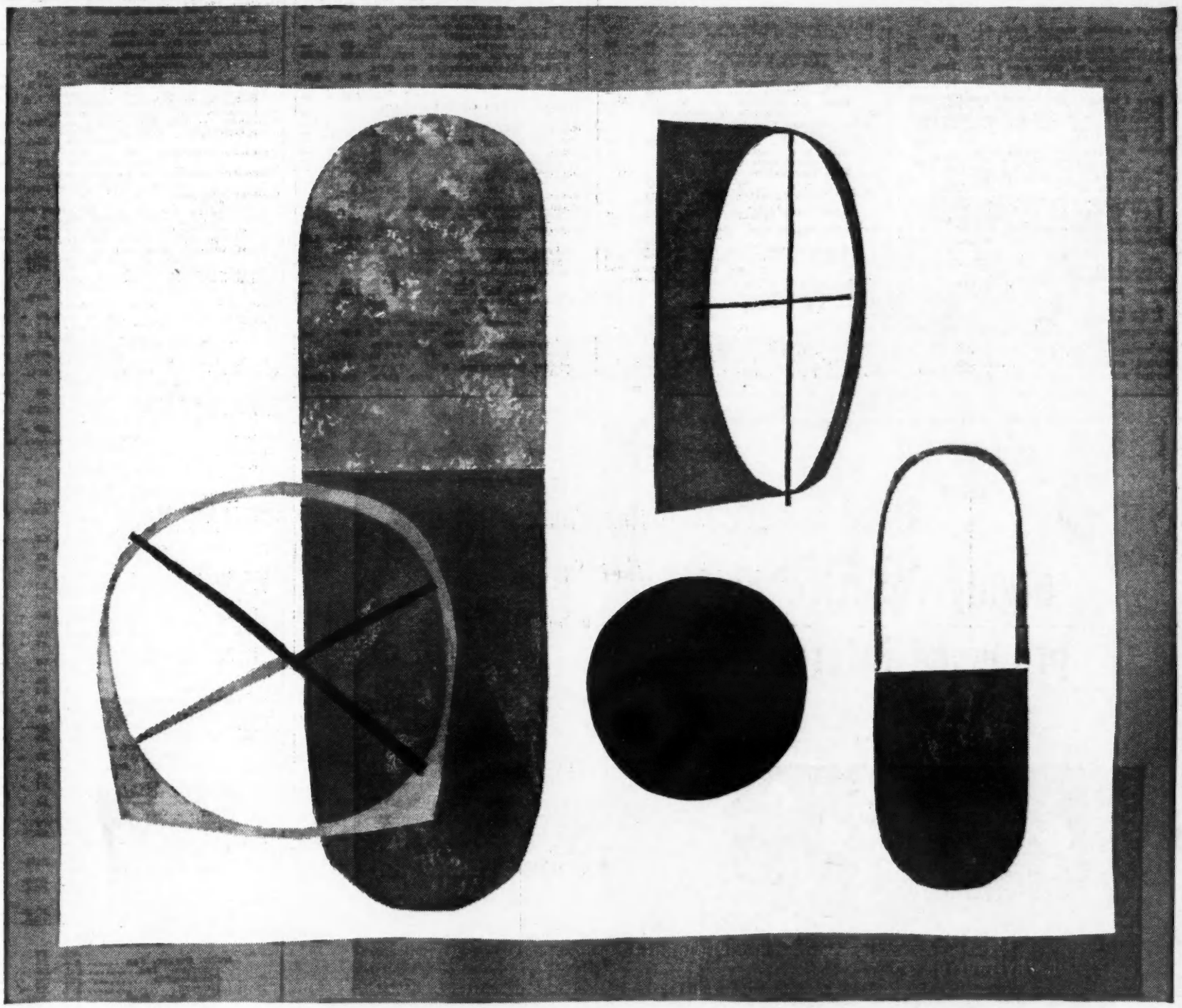


LACTOSE: APPLICATIONS UNLIMITED

MILK SUGAR

USES for Lactose (milk sugar) already number in the hundreds. And they are expanding every day as leading drug and food manufacturers explore the product-improving potential of this versatile material.

REMARKABLE PROPERTIES OF LACTOSE

For example, Lactose is used as a mild, almost tasteless triturate for patent drugs. It serves as an excellent filler and excipient for compressed tablets and hypodermics. Its slow fermentation incurs a nutritional stress on molds, promoting maximum yields of penicillin. And Lactose is a superior flavor and pigment adsorbant.

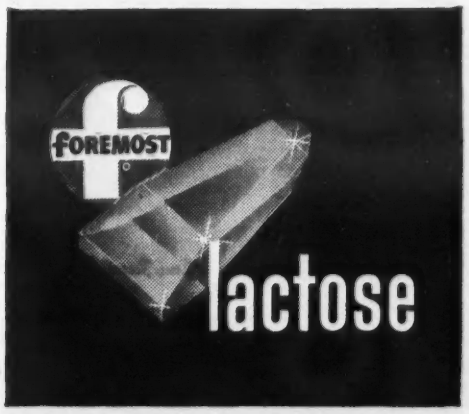
ONE FULL LINE SUPPLIER

Only Western offers you all forms of Lactose in unlimited supply...5 grades...10 basic granulations (custom granulations, too). Orders promptly filled from the plant or warehouse in your area. No seasonal shortages.

UNIFORMLY HIGH QUALITY

You can depend on Western to supply Lactose in the grade, granulation and *high quality* you want. The world's largest producer of Lactose, Western maintains rigid production control standards to insure unvarying quality and purity. Exclusive Western equipment insures maximum particle uniformity...and the best results for you as a user of Lactose.

Find out how Lactose can help improve your products. Write Technical Service, Department 21F telling us the application you are considering.



WESTERN CONDENSING COMPANY

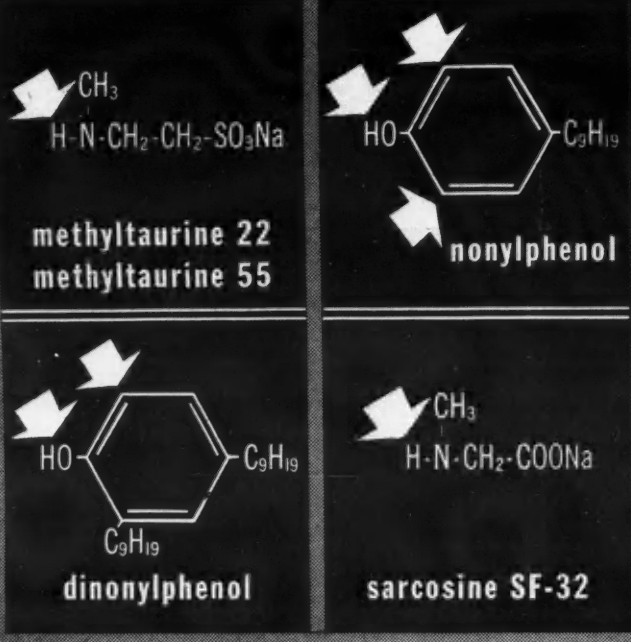
Appleton, Wisconsin

WORLD-WIDE SUPPLIER OF HIGH-QUALITY MILK DERIVATIVES

Distributed nationally by **Chemical Department, McKESSON & ROBBINS, INC.**

Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .21½- —
non-ret. dms., l.c.l., same basis lb. .22 - .22½
Methyl abietate hydrogenated, non-ret. dms., c.l., dlvd. zone 1 lb. .23½- —
non-ret. dms., l.c.l., same basis. lb. .24 - .24½
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.
Methyl acetone, nat., dms., t.c.l., E of Miss., frt alld gal. 62½- —
Syn., dms., c.l., frt. alld E ... gal. .66 · —
dms. t.c.l. frt alld E ... gal. .72 · —
tanks, frt alld E ... gal. .51 · —
Synthetic methyl acetone E territory comprises all states East of and including Colo., Mont. N Mex. and Wyo West territory is made up of all states west of those four.
Methyl acrylate, dms., c.l., t.l., dlvd. lb. .39 · —
dms., t.c.l., dlvd. ... lb. .40 · —
tanks, dlvd ... lb. .37 · —
Methyl alcohol (see Methanol).
Methyl amyl acetate, dms., c.l., dlvd E lb. .17 · —
dms., t.c.l., dlvd E ... lb. .18 · —
tanks, dlvd E ... lb. .14½- —
Methylamyl alcohol (see Methyl isobutyl carbinol).
Methylamyl ketone, dms., works lb 1.05 · —
Methyl anthranilate, cns. ... lb. 2.34 · 2.65
Methyl benzoate, cns., dms. ... lb. .65 · .75
Methyl bromide service organization prices 40 to 375-lb cyls., large lots frt alld lb. .62 · .65
Methyl cellulose, special vis (1,500-4,000 cps.) 50-lb bgs., c.l., works lb. .82 · —
50-lb. bgs., 2,000-lb. lots and more, same basis lb. .89 · —
50-lb. bgs. smaller lots, frt. alld on 100 lbs lb. 1.05 · —
Methyl cellulose, standard vis (15-400 cps.). 50-lb. bgs., c.l., frt alld lb. .69 · —
50-lb bgs., 2,000 lb lots and more, same basis lb. .76 · —
50-lb bgs. smaller lots, frt. alld. on 100-lbs lb. .79 · .89
Methyl chloride indust. cyls., frt. equald lb. .22¼- —
tanks, multi-unit same basis. lb. .16¼- —
tanks, single unit same basis. lb. .12¾- —
Refrigerator mfrs., cyls., dlvd lb. .48¾- —
other consumers at service men, cyls. dlvd lb. .67¾- —
Methyl chloroform (see 1,1,1-Trichloroethane).
Methyl cinnamate, cns ... lb. 1.55 · 1.80
Methyl ethyl ketone, dms., c.l., dlvd lb. .15 · —
dms., t.c.l., dlvd ... lb. .16 · —
tanks, dlvd ... lb. .12½- —
2-Methyl-5-ethyl pyridine, dms., c.l., works lb. .45 · —
dms., l.c.l., works ... lb. .45¾- —
tanks, works ... lb. .43 · —
Methyl formate, refd., dms. ... lb. .35 · .40
Tech., non-ret. dms., any quantity works lb. .10 · —
a-D Methyl glucoside, tech., 100-lb. multiwall paper bgs., c.l., works lb. .21 · —
100-lb. multiwall paper bgs., t.l., min. 23,000 lbs., works lb. .21½- —
100-lb. multiwall paper bgs., l.t.l. works ... lb. .23 · —
Methyl heptin carbonate, bots lb. 28.00 -31.00
Methyl p-hydroxybenzoate fib. dms. lb. 1.90 · 2.00
Methyl ionone, standard, cns., dms. lb. 4.15 · —
Methyl isobutyl carbinol, dms., c.l., dlvd lb. .17 · —
dms., l.c.l., dlvd ... lb. .18 · —
tanks, dlvd ... lb. .14½- —
Methyl isobutyl ketone, dms., c.l., dlvd lb. .17 · —
dms., l.c.l., dlvd ... lb. .18 · —
tanks, dlvd ... lb. .14½- —
Methyl methacrylate, dms., c.l., t.l., frt. equald with Belle, W Va lb. .31 · —
dms., smaller lots, same basis lb. .31½- —
tanks, same basis ... lb. .29 · —
Methyl naphthyl ketone, cryst., cns. lb. 3.00 · 4.30
Methyl parahydroxybenzoate (see Methyl p-Hydroxybenzoate)
Methyl parathion, tech 80%, dms., c.l., frt. alld. E lb. 1.25 · —
dms., l.c.l., frt. alld. E ... lb. 1.30 · —
Methyl paratnion prices 2c. per lb. higher in West.
Methyl roseaniline chloride, NF, 5-lb. fib dms lb. 6.90 · —
Methyl salicylate, USP cns., 500-lb. lots lb. .62½- .67½
Methyl testosterone, USP 100-gram bots. gram. No Prices.
Methyl violet toner, molybdated, PMA, bbls., dlvd. E. of Rockies. lb. 2.80 · —
Methyl violet toner, tungstated, PTMA, bbls., same basis lb. 4.35 · —
Methyl violet prices 1c. higher W. of Rockies.
Methylene blue, fib. dms., 100-lb. lots, frt. adjusted ... lb. 3.25 · —
Methylene chloride, tech., straight or assorted, dms., c.l. or t.l. works lb. .14 · —
dms., l.c.l., l.t.l., works ... lb. .16¾- —
Methylene chloride, tech., straight or assorted, tanks, 4,000-gal. min., tank trucks, maximum load limit, works lb. .12½- —
tanktrucks, 1,000-gal. min., works lb. .13½- —
b-Methylnaphthalene, 32°C., m.p., dms., works lb. .90 · —
Methylpentanediol (see Hexylene glycol).
Methylphenylpyrazolone (see 1-phenyl-3-methylpyrazolone-5).
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint plastic, 100 mesh, bgs., c.l., works lb. .04 · —
roofing, 20 to 80 mesh, works lb. .03 · —
Mica, wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .06½- —
bgs. t.c.l. ex-whse. lb. .07¼- —
paint or lacq., bgs., c.l., 325 mesh, works, frt. alld. E. lb. .08¼- —
bgs., l.c.l., ex-whse. or freight alld. E lb. .09 · —
Mica, wet-grd., rubber, bgs., c.l., works, frt. alld. E ... lb. .08 · —
bgs. t.c.l. ex-whse. or frt. alld E lb. .08¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .08¾- —
bgs., ex-whse. or frt. alld E. lb. .09 · —
white 5-10 microns, bgs., c.l., works, frt. alld. E lb. .08¼- —
l.c.l., ex-whse., or frt. alld. E. lb. .09 · —
Mica, wet-grd W. of Miss ½c higher; W. of Rockies 1c higher.
Microcrystalline wax, petroleum, coating grades, tankcars, works lb. .10 · .11
laminating grades, tankcars, works lb. .11 · .12
Mineral black, bgs., works lb. .0160- .0673
Mineral oil, white, tech., 50-65 vis., non-ret. dms., c.l., f.o.b. refy gal. .62 · —
non-ret. dms., l.c.l., same basis gal. .67 · —
tankcars, refy. ... gal. .46 · —
65-75 vis., non-ret. dms., c.l., same basis gal. .62 · —
tankcars, refy ... gal. .46 · —
80-90 vis., non-ret. dms., c.l., same basis gal. .63 · —
non-ret. dms., l.c.l., same basis gal. .68 · —
tankcars, refy ... gal. .47 · —
135-138 vis., non-ret. dms., c.l., same basis gal. .69 · —
non-ret. dms., l.c.l., same basis gal. .74 · —
tankcars, refy ... gal. .53 · —
145-155 vis., non-ret. dms., c.l., same basis gal. .75 · —
non-ret. dms., l.c.l., same basis gal. .80 · —
tankcars, refy ... gal. .59 · —
USP, 180-190 vis., non-ret. dms., c.l., same basis ... gal. .77 · —
non-ret. dms., l.c.l., same basis gal. .82 · —
tankcars, refy ... gal. .61 · —
200-210 vis., non-ret. dms., c.l., f.o.b., New York gal. .84 · —
non-ret. dms., l.c.l., same basis gal. .89 · —
tankcars, refy ... gal. .63 · —
Mineral oil, white, USP, 300-350 vis., non-ret. dms., c.l., f.o.b. New York gal. .84½- —
non-ret. dms., l.c.l., same basis gal. .89½- —
tankcars, refy ... gal. .68½- —
Mineral orange, American, bbls., c.l., works lb. .1560- —
bbls., l.c.l., same basis ... lb. .1660- —
Mineral spirits, petroleum, odorless, tanks, refy., Watson, Calif. gal. .23 · —
tanks, Borger, Tex ... gal. .25 · —
Houston, Tex ... gal. .25 · —
Philadelphia ... gal. .32 · —
Newark ... gal. .29 · —
New York, dlvd ... gal. .30½- —
Wood River, Ill ... gal. .2725- —
tankwagon, New Jersey, dlvd. gal. .37½- —
tankwagon, New York, dlvd. gal. .38½- —
Mineral spirits, petroleum, regular, tanks, Calif., ex tax San Francisco gal. .169 · —
tanks, east coast, New Jersey New York gal. .18 · —
tanks, group 3 ... gal. .12875- —
tankwagon Boston ... gal. .20 · —
Buffalo ... gal. .20½- —
Chicago ... gal. .289 · —
Cleveland ... gal. .23½- —
Newark ... gal. .19 · —
New York ... gal. .19 · —
Philadelphia ... gal. .19½- —
Pittsburgh ... gal. .19 · —
Providence ... gal. .20½- —
Mirbane oil (see Nitrobenzene).
MNPT maroon toner, kgs., c.l., works lb. 6.30 · —
Molasses, blackstrap, feed grade, tanks, New Orleans ... gal. .14 · .14¾
tanks, New York ... gal. .16 · —
Molybdated orange, bbls ... lb. .48 · —
Molybdenum metal, powd., 80 or 200 mesh, ctns., works kilo. 7.84 · —
325 mesh, ctns., works ... kilo. 9.13 · —
Molybdenum trioxide, pure, dms., works lb. 1.15 · —
Tech., dms., works, basis Mo content lb. 1.39 · —
Molybdic acid, 85%, dms., works lb. 1.20 · —
Monoallylamine, dms., c.l., dlvd. lb. .985 · —
dms., c.l., dlvd ... lb. .995 · —
tanks, dlvd. ... lb. .96 · —
Monobutylamine, dms., c.l., dlvd. E. of Rockies lb. .57½- —
dms., l.c.l., same basis ... lb. .58½- —
tanks, same basis ... lb. .55 · —
Monochloracetic acid, purif. (see Chloroacetic acid, mono).
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E lb. .10½- —
dms., l.c.l., same basis ... lb. .11½- —
tanks, same basis ... lb. .08¾- —
Monoethanolamine, dms., c.l., dlvd. E lb. .27½- —
dms., l.c.l., same basis ... lb. .28½- —
tanks, same basis ... lb. .25 · —
Monoethylalphanaphthylamine (see N-Ethyl-a-naphthylamine).
Monoethylamine, 70% aqueous solution, dms., c.l., dlvd. E. 100% basis lb. .38½- —
dms., l.c.l., dlvd. E. 100% basis. lb. .40 · —
tanks, dlvd. E. 100% basis ... lb. .35 · —
Monoethylaniline (see N-Ethylaniline).

highly reactive bulk-produced intermediates



for making
SURFACTANTS
VINYL STABILIZERS
LUBE-OIL ADDITIVES
DISINFECTANTS AND GERMICIDES
DIAZONIUM COMPOUNDS
PHARMACEUTICALS
RUBBER CHEMICALS
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and other products

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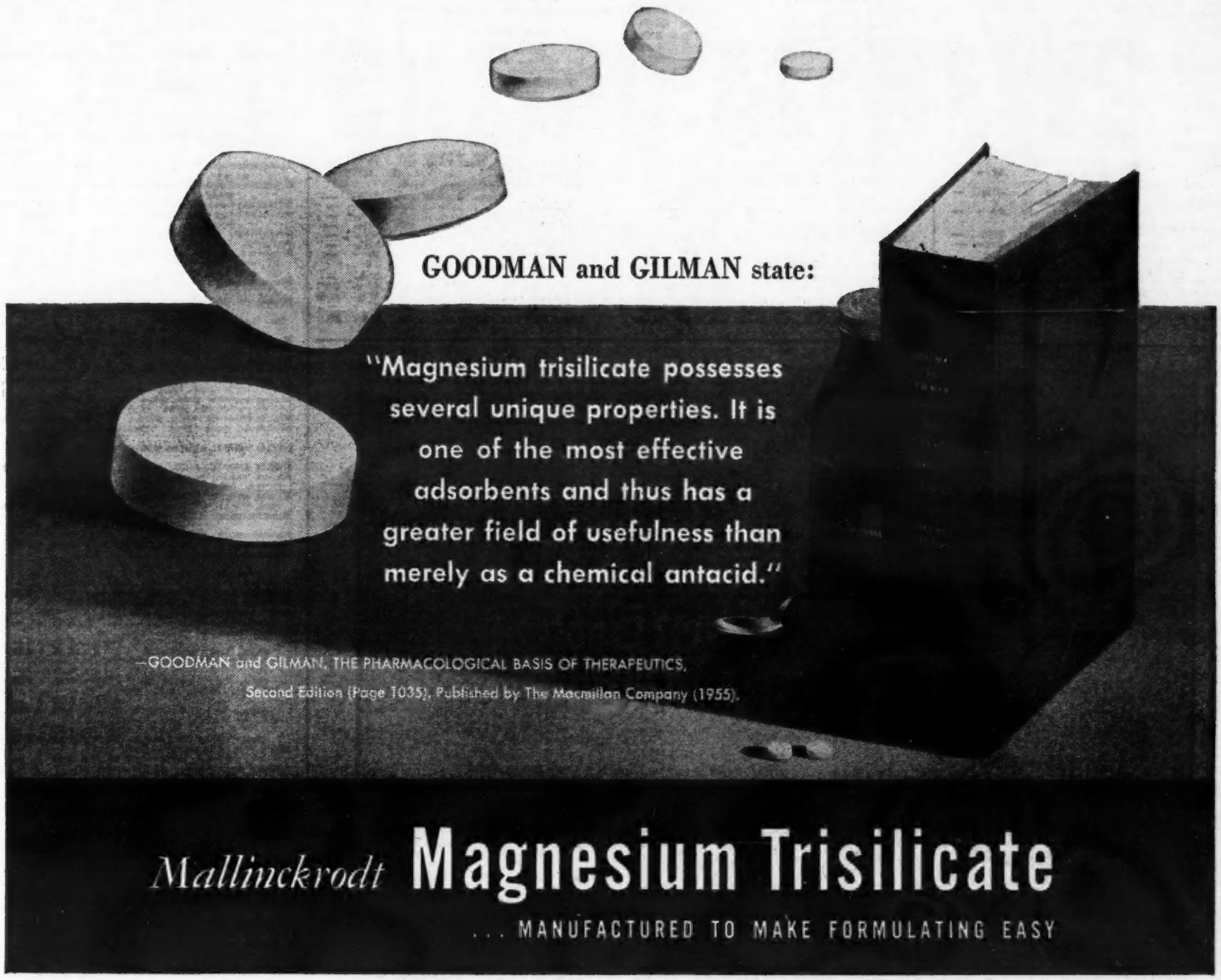
GOODMAN and GILMAN state:
"Magnesium trisilicate possesses several unique properties. It is one of the most effective adsorbents and thus has a greater field of usefulness than merely as a chemical antacid."
—GOODMAN and GILMAN, THE PHARMACOLOGICAL BASIS OF THERAPEUTICS, Second Edition (Page 1035). Published by The Macmillan Company (1955).
Mallinckrodt Magnesium Trisilicate
... MANUFACTURED TO MAKE FORMULATING EASY

Through years of experience in manufacturing magnesium trisilicate, Mallinckrodt has learned to produce a superior product resulting in: (1) controlled bulk, (2) uniform white color, (3) uniform particle size and (4) consistent smoothness (freedom from grittiness).

Mallinckrodt Magnesium Trisilicate USP is an extremely effective antacid and adsorbent. It is inexpensive, tasteless, non-astringent, does not produce alkalosis, and is neither constipating nor laxative in therapeutic doses.

FOR QUALITY IN YOUR FORMULATIONS

SPECIFY Mallinckrodt

- MAGNESIUM TRISILICATE
- BISMUTH COMPOUNDS
- CALCIUM GLUCONATE
- IODIDES
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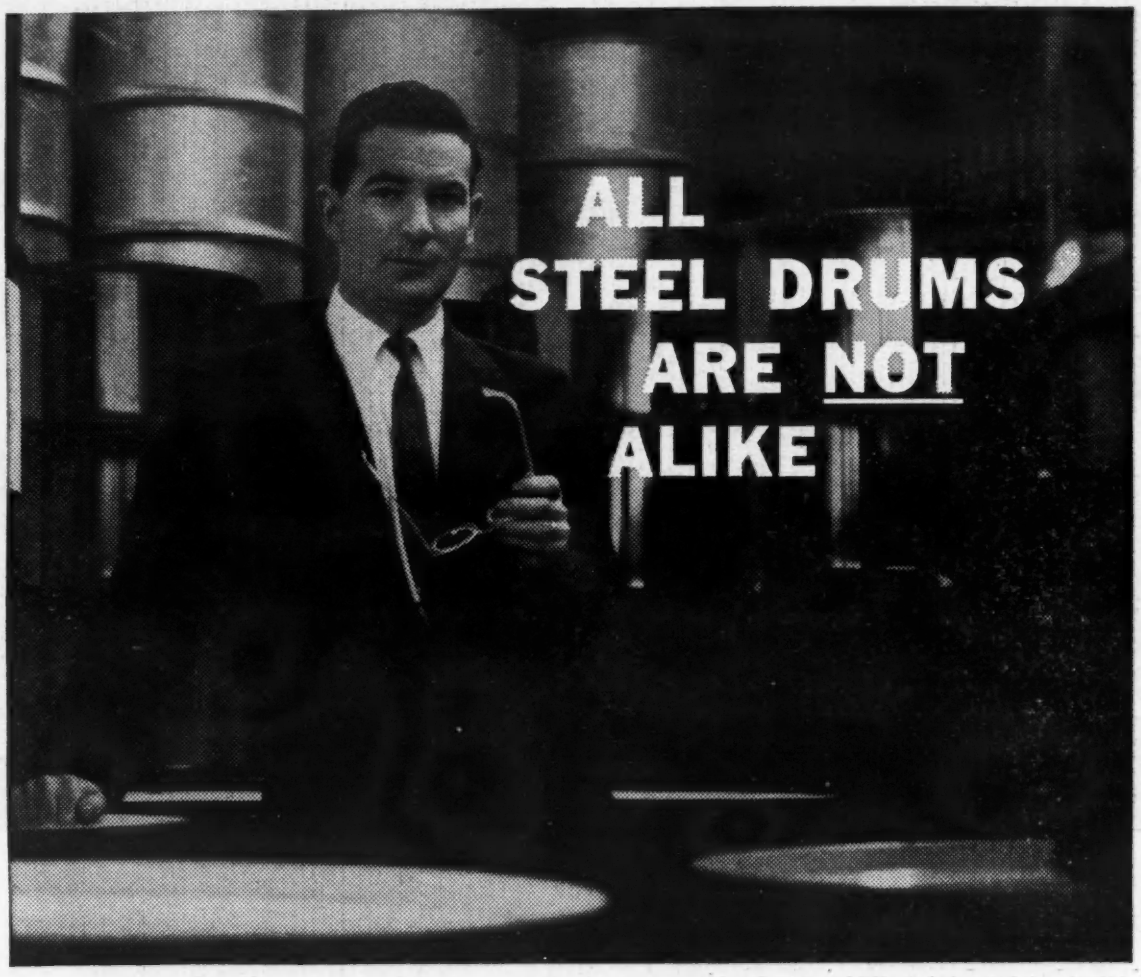
Monoethylorthotoluidin (see N-Ethyl-o-toluidine).
Monoisopropanolamine, dms., c.l., dlvd. E lb. .27½- —
dms., l.c.l., same basis lb. .28½- —
tanks, same basis lb. .25 - —
Monoisopropylamine anhyd., dms., c.l. dlvd lb. .33½- —
dms., l.c.l., same basis lb. .34½- —
tanks, same basis lb. .31 - —
Monomethylamine, anhyd., cyls., l.c.l., frt. equald, 100% basis lb. .33 - .335
tanks, same basis lb. .29 - —
30-35% soln., dms., c.l., frt. equald, 100% basis lb. .39 - —
dms., l.c.l., frt equald, 100% basis lb. .39½- —
tanks, frt. equald. 100% basis. lb. .29 - —
40% soln., dms., frt. equald., 100% basis lb. .36 - —
dms., l.c.l., frt. equald, 100% basis lb. .36½- —
tanks, frt. equald, 100% basis. lb. .29 - —
Monopentaerythritol, tech., bgs., c.l., dlvd. E lb. .29½- —
bgs., l.c.l., dlvd. E lb. .30½- —
Monopotassium glutamate, dms., 1,000-lb. lots, frt. alld lb 3.05 - —
dms, 100-lb lots, same basis lb. 3.25 - —
Monosodium glutamate, dms., any quantity, dlvd lb. 1.07 - —
Monosodium phosphate, (see Sodium phosphate, monobasic).

Mono-tertiary-butylmetacresol (see 6-tert-Butyl-m-cresol).
Montan wax, dom., refd., bgs lb. .29 - .30
Imp., crude, Bohemian, bgs. lb. .22 - .24
German, bgs. lb. .26 - .27
Morpholine, cns oz. 12.40 -12.60
Morphine acetate, anhyd., cns oz. 9.95 -10.00
Morphine hydrobromide, cns oz. 9.90 9.95
Morphine hydrochloride, NF, cns. oz. 9.90 9.95
Morphine sulfate USP cns oz. 9.90 -10.05
Morpholine, dms., c.l. dlvd E lb. .53¼ —
dms., l.c.l., dlvd E lb. .56¼ —
tanks, dlvd E lb. .52¾ —
Muriatic acid (see Hydrochloric acid).
Musk, syn. ambrette, fib dms., 100-lb. lots lb 4.45 5.15
cns., 25-lb. lots lb. 5.05 - 5.65
cns., 5-lb lots lb 5.20 5.50
Ketone, fib dms., 100-lb. lots lb 4.70 5.30
cns., 25-lb lots lb 5.35 - —
cns., 5-lb lots lb 5.45 - —
Xylol, fib. dms., 100-lb. lots lb. 1.40 - —
cns. 25-lb lots lb 1.45 - —
cns., 5-lb lots lb. 1.50 - —
Mustard seed, Danish, yellow, bgs. lb. .10¾- —
Montana, yellow, bgs lb. .09 - —
Montana, No. 1, Oriental, bgs. lb. .08½- —
Mustard oil, syn. bots lb. 1.60 1.85
Mustard seed oil, nat. dms. lb. .17½ Nom
Myristic acid, dms. lb. .23 - .25½
tanks lb. .22⅜- —
Myrobalans, Bombay ton. 52.00 -53.00
J-1, genuine, bgs., ex dock ton. 59.00 -60.00
J-1, crushed, bgs., ex dock ton. 73.00 -74.00
Myrobalans, extract, Indian, solid, 55% tannin, bgs., ex dock, plus duty lb. .10½- .10¾
Myrrh gum, cs. lb. .50 - .55

N

Naphtha, high solvency (see Solvent naphtha, petroleum).
Naphtha, petroleum, cleaner's, 140°F, flash, tanks, east coast, New Jersey and New York gal. .18 - —
tanks, group 3 gal. .15 - .15½
tankwagon, Newark gal. .19 - —
New York gal. .19 - —
Philadelphia gal. .19½- —
Naphtha, VM&P, petroleum, 225°-300°F., b.r., tanks, west coast, Los Angeles gal. .17¼ - —
Portland, Ore. gal. .18 - —
San Francisco gal. .17¾ - —
Seattle, Wash. gal. .18 - —
east coast, New Jersey and New York gal. .19 - —
group 3 gal. .13875- —
Naphtha, VM&P, petroleum, tankwagon, Boston gal. .21½- —
Chicago gal. .299 - —
Cleveland gal. .24½- —
Newark gal. .20½- —
New York gal. .20½- —
Philadelphia gal. .21½- —
Pittsburgh gal. .20 - —
Naphthalene, crude, dom., 74°, tanks, frt equald lb. .06¼- —
78°, bgs., c.l., same basis lb. .07½- .08
bgs., l.c.l., same basis lb. .07¾- .08¼
tanks, same basis lb. .07 - —
Imp., 78°, bgs., large lots lb. .035 - .05
Naphthalene, refd., indust., chipped, crushed, bgs., frt. equald lb. .12½- —
tanks, same basis. lb. .11¾- —
Refd., indust., balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .15½- —
cs, 50 lbs., c.l., same basis. lb. .15¾- —
1-lb. pkgs., c.l., same basis lb. .18½- —
a-Naphthol bbls., frt. alld lb. 1.00 - —
b-Naphthol, tech., flake, bbls., c.l., works lb. .33 - —
bbls., l.c.l., works lb. .35 - —
Naphthol ITR red toner, bbls., works lb. 5.50 - —
1-Naphthol-3,6-disulfonic 8-amino acid (see H acid).
1-Naphthol-4 sulfonic acid (see Nevile and Winther's acid)
1-Naphthol-5-sulfonic acid (see L acid).
1-Naphthol-5-sulfonic 8-amino acid (see S acid)
2-Naphthol-6,8-disulfonic acid (see Gamma acid).
Naphthol sulfonic mixed acid (see Cleve's acid).
a-Naphthylamine, bbls., frt alld lb. .50 - —
b-Naphthylamine, tech., flake, bbls., works lb 1.60 —
1-Naphthylamine-5-sulfonic acid (see Laurent's acid)
2-Naphthylamine-4,8-disulfonic acid (see Cassella acid)
2-Naphthylamine-1-sulfonic acid (see Tobias acid).
2-Naphthylamine-6-sulfonic acid (see Broenner's acid)
2-Naphthylamine-7-sulfonic acid (see F acid).
Naringin, fib dms. lb. 8.50 —
Neatsfoot oil, 15° cold test, dms lb. .30 - .33
20° cold test, dms. lb. .29 - .32
30° cold test, dms lb. .28 - .31
Neocinchophen USP, dms., frt. adjusted lb. 7.00 - 8.00
Neomycin sulfate, fib. dms. 1-kilo basis activity gram. .35 - —
fib dms. 100-999-gram lots, basis activity gram. .40 - —
Neroli oil, NF French, bots. lb. 550.00 -575.00
Tunisian, bots. lb. 400.00 - —
Nerolin, cns lb. 2.55 - 2.85
Nevile and Winther's acid, dms., frt. alld lb 1.30 - —
Niacinamide (see Nicotinamide).
Nickel acetate, bbls. dlvd lb. .73 - .80
Nickel carbonate, bbls. dlvd lb. .80¾- .87¾
Nickel chloride, bbls., dlvd. lb. .40½- .45½
Nickel formate, bbls., ton lots, frt. alld lb. .72 - .73
Nickel metal electro cathodes, cs., works lb. .74 - —
Nickel nitrate, bbls., works lb. .32½- .33½
Nickel oxide, black, bbls. lb. .84 - —
Green, bbls lb. .85 - —
Nickel sulfate, bgs., c.l., dlvd. lb. .32½- —
bgs., l.c.l., dlvd. lb. .33½- .40½
Nicotinamide, USP, dms., frt. adjusted kilo 9.50 - 9.80
Nicotinamide hydrochloride, dms., frt adjusted kilo 9.50 9.80
Nicotine sulfate, 40%, dealers, 50-lb. dms., frt. alld lb. 1.20 - —
40% manufacturers, 500-lb. dms., frt alld lb 1.05 - —
Nicotinic acid USP, dms, dlvd kilo 8.00 8.30
Nicotinic amide USP (see Nicotinamide).
Niger seed, bgs lb. .10¼- —
Nikethamide, cbys. lb. 5.00 - —
Nitric acid, 36° Be., cbys., c.l., works, E 100 lbs 5.75 - —
cbys., l.c.l. works, E 100 lbs 6.05 - 6.85
38° Be. cbys c.l., works, E. 100 lbs 6.25 - —
cbys l.c.l. works E 100 lbs 6.55 - 7.35
40° Be, cbys., c.l., works E. 100 lbs. 6.75 - —
cbys., l.c.l. works, E 100 lbs 7.05 - 7.85
42° Be cbys. c.l., works, E. 100 lbs. 7.25 - —
cbys. l.c.l., works E 100 lbs. 7.55 - 8.35
Nitric acid, 58.5 to 68% HNO_3, tanks, works, 100% basis 100 lbs. 3.90 - —
94½ to 95½% HNO_3, tanks, works, 100% basis 100 lbs. 4.90 - —
Nitric acid, CP, NF consumer cbys, extra, c.l., works lb. .18½- —
carboys, extra, l.c.l., works. lb. .20 - —
5-pt. bots. extra, cs. c.l., same basis lb. .22½- —
5-lb bots., extra, cs., l.c.l., same basis lb. .24 - .25
m-Nitroaniline, cryst., dms., frt. alld lb. 1.15 - —
Paste, dms., frt alld., 100% basis. lb. 1.10 - —
o-Nitroaniline, flaked, dms. t.l., frt. alld lb. .49 - —
dms., l.t.l., frt. alld lb. .51 - —
o-Nitroaniline orange toner, kegs, lb. 1.35 - —
p-Nitroaniline dms. frt. alld lb. .445 - —
Nitrobenzene, dbl dist., dms., c.l., frt. alld lb. .13 - —
dms., l.c.l., frt. alld lb. .14 - —
tanks, frt. alld. lb. .11 - —
p-Nitrobenzoic acid, dms., c.l., works lb. .66 - —
dms., l.c.l., works lb. .67 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, seconds, bbls., c.l., works lb. .38 - —
bbls., l.c.l., same basis lb. .39 - .41
18-20 cps. bbls. c.l. same basis. lb. .40 - —
bbls., l.c.l., same basis lb. .41 - .43
Ester-soluble, 250-400, 600-1,000 seconds, bbls., l.c.l., same basis lb. .43 - .46
Spirit-soluble, 30-35 cps. ¼, ½, seconds, bbls., c.l. same basis lb. .43 - —
bbls., l.c.l., same basis lb. .44 - .46
Nitrocellulose, spirit-soluble, 5-6 cps., 40-60 seconds, bbls., c.l. same basis lb. .42 - —
bbls., l.c.l. same basis lb. .43 - .45
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
o-Nitrochlorobenzene dms. c.l., frt. alld lb. .15 - —
dms., l.c.l. same basis lb. .16 - —
tanks, same basis lb. .13 - —
p-Nitrochlorobenzene, dms. lb. .26 - .27
Nitroethane, dms., c.l. dlvd. E lb. .24 - —
dms, l.c.l. dlvd E lb. .24¾- —
tanks dlvd E lb. .22½- —
Nitroethane prices West of Rockies are 1c. higher.
Nitrogen solutions, tanks, frt. equald unit. 1.28 - —
Nitrogenous process tankage, bulk, works unit-ton. 3.25 - 4.00
Nitrogenous sewage sludge, bulk, f.o.b. Chicago, works, unit-ton. 3.10 - .50
Nitromethane dms. c.l. dlvd E lb. .24 - —
dms., l.c.l., dlvd E lb. .24¾- —
tanks dlvd E lb. .22½- —
Nitromethane prices West of Rockies are 1c higher.
a-Nitronaphthalene bbls. frt. alld. lb. .31 - —
o-Nitrophenol, dms, works, frt. equald lb. .84 - —
p-Nitrophenol, dms. c.l. frt. alld. lb. .51 - —
dms. l.c.l. frt. alld lb. .53 - —
1-Nitropropane dms. c.l., frt alld. E. of Rockies lb. .22½- —
dms., l.c.l., same basis lb. .23¼- —
tanks, same basis lb. .21 - —



Now protect product purity, hold down costs two ways with these U. S. Steel rust-inhibited drums

U. S. Steel rust-inhibited drums give maximum protection because they are made with extra care. Every head, shell and bottom is precisely formed, chemically cleaned, then coated inside and out with zinc phosphate – all before final forming.

And to each of these rugged, durable drums—and pails, too—U. S. Steel tacks on two extra purchasing advantages:

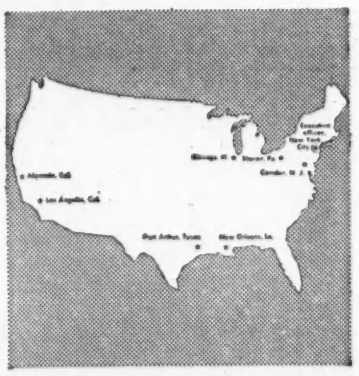
1. Today's widest variety of carbon steel shipping containers is offered by U. S. Steel. Capacities from 2½ through 57 gallons, plus a full line of stainless-steel pails and drums.

Special linings and closures are supplied to your specification. Unsurpassed color-decorating facilities are available—all to assure you of a container best suited to your needs.

2. Seven U. S. Steel container factories, located in key areas, form a nationwide network. You can take deliveries by rail or truck, set up arrivals to coincide with your production schedule. You minimize handling and inventory problems, get on-time deliveries.

We urge you to talk over your requirements with your U. S. Steel representative. He puts at your disposal over 40 years' experience with all types of shipping-container problems.

Factories in: Los Angeles, Calif. · Alameda, Calif. · Port Arthur, Texas · Chicago, Ill. · New Orleans, La. · Sharon, Pa. · Camden, N. J.



HOW U. S. STEEL GIVES "LOCAL" SERVICE.

U. S. Steel has spotted its container plants in seven key areas to give you better service. In addition, there are sales offices in many other cities. Wherever you are, there is a convenient USS representative or factory ready to serve you.

United States Steel Products Division USS TRADEMARK

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U.S.I. CHEMICAL NEWS

June ★ A Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1958

New Electron Beam Melting And Casting Process Gives High Purity Special Metals

A new process employs electron beam bombardment in a high vacuum to melt special metals such as titanium, zirconium, tantalum, molybdenum, columbium, beryllium and vanadium. A company to commercialize this process has just been formed jointly by Stauffer Chemical, Temescal Metallurgical and Mallory Sharon Metals (the last named company is owned ⅓ by U.S.I.).

Techniques have been developed which permit certain impurities to be volatilized and removed, yielding metals of unusually high purity with properties not attainable by other methods. The process will make these high purity metals available for the first time in commercial quantities.

In this process, heat for melting is supplied by an electron gun which serves as the cathode and bombards the melt stock (the anode) with electrons, heating it to the melting point. Molten metal drops into a water-cooled

MORE

AEC Plans Another Sodium-Cooled Reactor Experiment

The Argonne National Laboratory has announced that a second Experimental Breeder Reactor (EBR-II) will be constructed at Arco, Idaho. It will be sodium-cooled with an electrical power output rated at 20,000 KW, and is expected to go critical in June 1959. Arco is also the site of Experimental Breeder Reactor-I, which is cooled with a sodium-potassium mixture and has an output of 15,000 KW.

The purpose of EBR-II will be to develop engineering and operation information which can be applied to full-size, central-station power plants. This reactor will contain complete fuel processing and fabrication facilities, heat transfer systems and steam electric plant.

Metallic sodium makes an excellent coolant because of its relatively low neutron-absorbing characteristics, good heat transfer properties, low melting point and high boiling point. High temperatures without high pressure can be produced when sodium is used as coolant.

MORE

New Coating Protects and Decorates Polyethylene

Films and molded products made of any type of polyethylene can now be decorated and/or protected with a new synthetic coating which is applied by dip or spray techniques. The material, tradenamed NYLENE, is reported to impart a hard, glossy finish and to increase clarity of polyethylene products. Excellent adhesion, flexibility and scuff resistance are claimed, along with resistance to a wide range of solvents. The new coating also acts as a vapor barrier.

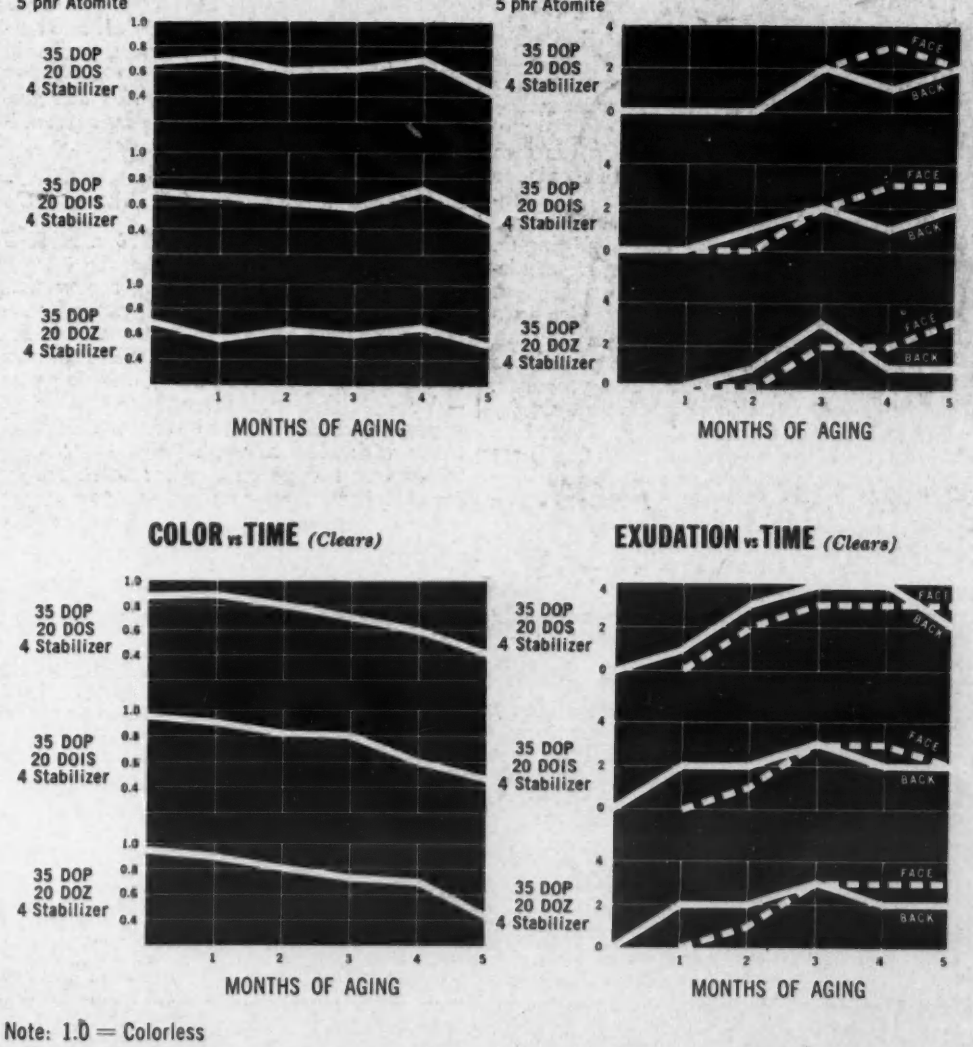
Because the coating can be tinted in any color, and combined with metallic powders, it is suggested for decorative purposes.

Advantage of Isosebacate Plasticizers Shows Up in Aging Tests on Vinyl Film

Dioctyl Ester of ISOSEBACIC® Acid Comparable to Corresponding Esters of Sebacic, Azelaic Acids in Performance, Lower in Cost

A five-month series of aging tests was conducted recently in Southern Florida by an independent research laboratory to determine color stability and exudation rates in vinyl films containing various plasticizers. In these tests it was demonstrated that the dioctyl ester of ISOSEBACIC acid is comparable in performance to the same esters of sebacic and azelaic acids when used as vinyl plasticizers. At the same time, the ISOSEBACIC acid ester is lower in cost.

The charts below show actual test results. ISOSEBACIC acid, a mixture of C-10 dibasic acids, was developed in the U.S.I. research laboratories. A commercial plant for production of this intermediate is being started up at U.S.I.'s Tuscola, Ill. chemical complex. Samples are available on request.



Note: 1.0 = Colorless

DOP — DIOCTYL PHTHALATE DOIS — DIOCTYL ISOSEBACATE PHR — PARTS PER HUNDRED RESIN
DOS — DIOCTYL SEBACATE DOZ — DIOCTYL AZELATE

Charts courtesy of Deecy Products Company

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June ★ # U.S.I. CHEMICAL NEWS ★ 1958

CONTINUED

Electron-Beam Melting

copper crucible below and is not contaminated by the crucible.

Electron beam melting is said to offer several important advantages over vacuum arc melting. Operations can be stopped and started at any time. Materials can be melted in any form: ingot, powder, flake or sponge. Under the conditions existing in the furnace, gaseous impurities are removed rapidly as suboxides to leave behind the pure metal.

The process can also be used for zone refining. There is no apparent limitation on the diameter of the bar or ingot that can be processed, and so a large quantity of purified metal can be turned out in a relatively short time.

The new process will be licensed to interested industrial and research concerns.

Non-Beverage Alcohol Regulation Clarified

A new ruling by the Alcohol and Tobacco Tax Division of Internal Revenue clarifies a 1956 regulation concerning the filing of alcohol formulas when a company changes ownership. Revised Ruling 58-123 states that when a non-beverage manufacturing operation undergoes a change in proprietorship, and the new owner wants to use the alcohol formulas filed by the preceding owner, he must follow one of two procedures.

He can submit new formulas in his own name on Form 1678, Formula and Process for Non-Beverage Product, to replace those submitted by his predecessor. Or he can adopt the formulas already on file by submitting an affidavit to the Assistant Regional Commissioner, Alcohol and Tobacco Tax, stating that the preparations covered by formulas submitted by the prior owners, and on file with Internal Revenue, will be made in accordance with such approved formulas and processes.

The affidavit must identify the formulas by serial numbers and names of products. The original and two copies go to the Assistant Regional Commissioner who sends one copy to the Director, Alcohol and Tobacco Tax Division. A fourth copy should be retained by the manufacturer.

CONTINUED

Sodium in Reactors

Four other U.S. sodium-cooled reactors range in status from operational to the development stage. They are:

Sodium Reactor Experiment, Santa Susana Mts., Cal. — sodium-graphite reactor — 7,500 KW (operational)

PRDC Fast Power Reactor, Monroe, Michigan — fast breeder reactor — 100,000 KW (under construction)

Consumers Public Power District, Hallam, Neb. — sodium-graphite reactor — 75,000 KW (design stage)

Chugach Electric Association Reactor, Anchorage, Alaska—heavy water-moderated, sodium cooled—10,000 KW (development stage)

Chemical P.A.s Meet With Market Research Group

The Chemical Buyers Group of the National Association of Purchasing Agents met for the first time with the Chemical Market Research Association in Washington recently.

It was felt that market research groups can help P.A.s in major purchasing decisions, particularly in the "make-or-buy" area. Chemical buyers said that today they need information on distribution, consumption and future market trends as much as skill in negotiation in order to make intelligent, profitable purchasing decisions.

Conversely it was felt that P.A.s can give market research men data on current conditions, for developing market forecasts.

SOLOX® Denatured Alcohol Proves Versatile on Boats

With the boating and fishing season now getting into high gear, U.S.I.'s general purpose denatured alcohol solvent SOLOX is becoming increasingly popular with boat owners and campers. SOLOX has many cleaning uses — for wiping off sanded wood before painting, to dry the wood and clean out dust at the same time; with soap to wash painted surfaces; with water for cleaning glass; full strength for cleaning motors and ignition parts.

SOLOX is also an efficient fuel, and igniter for fuel, in boat and camp stoves.

TECHNICAL DEVELOPMENTS

Information about manufacturers of these items may be obtained by writing U.S.I.

Triethylborane is now being supplied in sample quantities for study as a catalyst for polymerization of unsaturated monomers, as a jet fuel or fuel component, and as an igniter or flame-speed accelerator. **No. 1360**

Equipment for radio-active operations is described in a new book now being sold. The volume contains some 60-odd papers delivered at the Hot Laboratories and Equipment Conference held as part of the 1957 Nuclear Congress. **No. 1361**

Thermoplastic adhesive in dry, 100% solid, continuous cord-like form, is now being marketed with applicator especially designed for controlled feeding, melting and applying. Claimed to bond polyethylene films, coatings, papers, boards, foils, glassines at 250 ft./min.. **No. 1362**

Air pollution is the subject of a free, 20-page booklet just issued to help develop fair and workable air pollution laws. Principles essential to such legislation are defined. Procedures for formulating these laws are outlined. **No. 1363**

New corrosion-resistant, thermosetting coating for chemical plant floors is said to resist strong acids, alkalis and solvents, withstand temperatures of 230 F, support heavy traffic. Sets quickly to durability of good concrete. **No. 1364**

Carbon-14, tritium and sulfur-35 samples in solid, liquid and vapor phases can be measured for radioactivity with new dynamic condenser electrometer. With flow chamber, instrument claimed ideal for industrial gas monitoring. **No. 1365**

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Encyclopedia of Chemical Technology has just been brought up-to-date through issuance of the first supplement volume to this series. It contains 51 articles covering, among other topics, adhesives, computers, nuclear reactors. **No. 1367**

New portable oxygen indicator is now available for measuring concentrations of oxygen in gaseous mixtures from 0 to 25% by volume. Operates on a single flashlight battery, weighs less than six pounds. **No. 1368**

Zirconium and hafnium technical and application data are covered in a new 16-page brochure now available at no charge. Production, properties and mill shapes available are included, as well as present and future commercial uses. **No. 1369**

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CYANAMID

2-Nitropropane—Pennyroyal Oil

2-Nitropropane, dms., c.l., frt. alld. E. of Rockies..lb. .18½- —
dms., l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .16 - —
Nitropopane prices West of Rockies are 1c. per lb higher.
o-Nitrotoluene, dms., c.l., frt. alld. lb. .13 - —
dms., l.c.l., frt. alld.....lb. .14 - —
tanks, frt. alld.....lb. .11 - —
p-Nitrotoluene, flake or solid, tech., l.c.l., dms., works..lb. .30 - —
m-Nitro-p-toluidine, dms.....lb. 1.43 - —
Nonylphenol, dms., c.l., frt. alld. lb. .22 - —
dms., l.c.l., frt. alld.....lb. .23 - —
tanks, frt. alld.....lb. .19½- —
Nonylphenol prices on shipments to Western States are 2c. higher.
Nutgalls, Aleppo, bgs.....lb. .35 - .38
Chinese, bgs.....lb. No prices.
Nutmeg, East Indian, bgs.....lb. 1.85 - —
West Indian, bgs.....lb. 1.80 - —
Nutmeg oil, USP dist., East Indian, cns., dms..lb.12.00 -13.75
West Indian, bgs.....lb.13.00 -15.75
Nux vomica, bls.....lb. .12 - —
Powd., bbls., bxs.....lb. .18 - —

O

Ocher (see iron oxide yellow, nat.).
Ocotea cymbarum oil, dms.....lb. .40 - .70
Octane, indust., tanks, Bayonne, N.J. gal. .20 - —
Borger, Tex.....gal. .15¾- —
1-Octanol, tech., dms., c.l., dlvd., Zone 1 lb. .37 - —
dms., l.c.l., dlvd.....lb. .39 - —
tanks, dlvd.....lb. .34½- —
Octyl alcohol, perfumer's grade, bots lb. 1.60 3.25
Octyl alcohol, tech. (see 1-Octanol, tech).
Octyl phenol, bgs., c.l., works.....lb. .24 - —
bgs., l.c.l., works.....lb. .24½- —
tanks, works.....lb. .23 - —
Octyl phenol in dms., 1lc. higher.

Oils

Oil quotations, formerly grouped under one heading, are now listed individually. For example, prices on Oil, coconut, may be found in the C's under Coconut oil.

Oiticica oil, liq., dms.....lb. .18 - .18½
tanks.....lb. .16½- —
Oleic acid, dbl.-dist. (white), dms.lb. .17¾- .20¼
tanks.....lb. .15¼- —
Single-dist., dms.....lb. .16½- .19
tanks.....lb. .14 - —
Olee oil, extra, dms.....lb. .19 - .19½
Oleostearine, dms.....lb. .14½- .14¾
Oleum (see Sulfuric acid, fuming).
Olibanum gum, siftings, cs.....lb. .20 Nom.
Tears, cs.....lb. .22 - .30
Olibanum oil, bots.....lb. 5.50 - 7.65
Extra fine, bots.....lb. 8.00 - 9.50
Olive oil, edible, dms., spot duty-paid..gal. 2.40 - 2.50
Olivine, crude, works.....ton.12.00 - —
20 mesh, works.....ton.15.00 - —
100 mesh, works.....ton.20.00 - —
Opium USP cns.....oz.19.20 -19.45
gran., cns.....oz.21.65 -21.90
powd., cns.....oz.21.65 -21.90
Orange oil, expressed, USP, Brazilian, cns., dms lb. No stocks
California, cns., dms.....lb. 3.00 - 3.35
Florida, cns., dms.....lb. 1.75 - 2.30
Messina, cns.....lb 3.85 - 5.85
West Indian, cns., dms.....lb. 2.50 - 3.75
Sesquiterpeneless, bots.....lb.65.00 -120.00
Sweet, dist., cns., dms.....lb. 1.25 - —
Orange peel, bitter, Haitian, bls.....lb. .14 - .16
Sweet.....lb. .25 - .30

Orange Pigments

Orange pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Orange, chrome, may be found in the C's under Chrome orange.

Origanum oil, Spanish, cns.....lb 2.00 - —
Orris root, Florentine, bls.....lb. .53 - —
powd., bbls., bxs.....lb. .68 - —
Verona, bls.....lb. .35 - .40
powd., bbls., bxs.....lb. .44 - —
Orthoanisidine (see o-Anisidine).
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).
Orthochloroaniline (see o-Chloroaniline).
Orthochlorobenzoic acid, (see o-Chlorobenzoic acid).
Orthochloroparanitroaniline (see 2-Chloro-4-nitroaniline).
Orthochlorophenol (see o-Chlorophenol).
Orthocresol (see o-Cresol).
Orthocresotinic acid (see 2,3-Creosotic acid).
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroaniline (see o-Nitroaniline).
Orthonitrochlorobenzene (see o-Nitrochlorobenzene).
Orthonitroparachlorophenol (see 2-Nitro-4-Chlorophenol).
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidine (see o-Phenetidine)
Orthophenylphenol (see o-Phenyl phenol).
Ortho-tertiary-amylphenol (see o-tert-Amylphenol).
Orthotolidine (see o-Tolidine base)
Orthotoluidine (see o-Toluidine)
Osage orange, cryst., No 1, bbls., l.c.l.lb. .40 - —
Extract, liq., No. 1, bbls., l.c.l., lb .19 - —
Ouabain, USP, bots gram 3.00 - 4.00
Ouricury wax, crude, bgs.....lb. .79 Nom.
Refd., pure, bgs.....lb. .90 Nom.
Oxalic acid, bbls., c.l., works..lb. .18½ - —
bbls., 10,000-lb. lots, works..lb. .18¾- —
bbls., smaller lots, works..lb. .19¼- —
b-Oxynaphthoic acid, fib. dms., 250 lbs. or more, frt. alld lb 1.14 - 1.17
Oxyquinolin sulfate, cns. 100-lb lots, works lb 4.75 - 5.00
cns., smaller lots, works lb 4.92 - 5.17

P

Palm oil, clarif., dms.....lb. .1440- .1540
tanks.....lb. .1215- —
Palm oil acid, dist., dms.....lb. .15¾- .19¼
tanks.....lb. 13¾ - .14¼
Palmarosa oil, cns.....lb. 4.25 - 6.00
Papain, purified.....lb.10.00 -12.00
Papaverine hydrochloride, nat. or syn., USP, cns., 25-oz. to 100-oz. lots oz. 5.00 - —
cns., smaller lots.....oz. 5.05 - 5.20
Papaverine sulfate, nat. or syn., USP, cns oz 7.10 - 7.35
Paprika, Bulgarian, bgs.....lb. .32 - —
Hungarian, bgs.....lb. .34 - —
Rumanian, bgs.....lb. .29 - —
Spanish, bgs.....lb. .32 - .46
Yugoslavian, bgs.....lb. .34 - —
Para-aminobenzoic acid (see p-Aminobenzoic acid).
Para-aminosalicylic acid (see p-Aminosalicylic acid).
Parachlorobenzoic acid (see p-Chlorobenzoic acid).
Paramethylphenylcinchonic acid (see Neocinchophen)
Paranitrobenzoic acid see p-Nitrobenzoic acid).
Paratoluidinemetasulfonic acid (see p-Toluidine-m-sulfonic acid).
Para-aminophenol (see p-Aminophenol).
Parachloro-orthonitroaniline (see 4-Chloro-2 nitroaniline).
Para-anisidin (see p-Ansidine).
Parachloraniline (see p-Chloraniline).
Parachlorobenzaldehyde see p-Chlorobenzaldehyde).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Para toner, red, bbls.....lb. 1.21 - —
Chlorinated, kgs.....lb. 1.35 - —
Paraffin, crude, scale white, 123°-127°F. ASTM, tanks, refy. lb. .0710- —
fully refd., 122°-124°F, ASTM, tanks, refy. lb. .0815- —
125°-127° F. ASTM, tanks, refy. lb. .0815- —
130°-132°F, ASTM, tanks, refy. lb. .0815- —
132°-134° F., ASTM, tanks, refy. lb. .0815- —
135°-137°F. ASTM, tanks, refy. lb .0815- —
AMP temperatures are an arbitrary 3°F higher than ASTM.
Paraffin oil, pale, 100-110 vis. at 100°F., tanks, east coast refy gal .14 - —
Paraffin wax (see Paraffin)
Paraformaldehyde 91% flake, bgs., c.l., frt. alld..lb. .0955- —
bgs., l.c.l., frt. alld.....lb. .1155- .1255
91%, powd., bgs., c.l., ex whse lb. .167 - —
bgs., l.c.l., ex whse.....lb. .182 - —
USP X, fib. dms., c.l.,.....lb. .19 - —
fib. dms., 1,000-lb. lots lb. .20 - —
fib. dms., smaller lots lb. .21¼- —
Paraldehyde, tech., 98%, 55-gal. dms., t.l., dlvd lb. .14 - —
55-gal dms., l.c.l., dlvd. lb. .15 - —
tanks, dlvd. lb. .11¼- —
Paranitroaniline (see p-Nitroaniline).
Paranitrochlorobenzene (see p-Nitrochlorobenzene).
Paranitrotoluene (see p-Nitrotoluene).
Paranitrophenol (see p-Nitrophenol).
Paraphenetidine (see p-Phenetidine).
Paraphenylenediamine (see p-Phenylenediamine).
Paraphenylphenol see p-Phenylphenol)
Para-tertiary-amylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol).
Parathion, ethyl, dms. c.l., frt. alld. lb. 1.38 - —
dms., l.c.l., frt. alld.....lb. 1.41 - —
Parathion prices 2c. per lb. higher in West
Paratoluenesulfonamide (see p-Toluenesulfonamide).
Paris green, dealers, 100 lb. dms., frt. alld lb. .45 - —
Passion flower herb, bls.....lb. No stocks.
Patchouli oil, dms.....lb. 5.00 - 5.75
Peach kernel oil, USP. (see Apricot kernel oil).
Peacock blue, fugitive, 100% color strength, 250-lb., bbls., dlvd. E. of Rockies..lb. 1.00 - —
Peacock blue price 1c. higher W. of Rockies.
Peanut meal, 45%, old process, bgs., mills..ton.64.00 -65.00
Peanut oil, crude, tanks, f.o.b. mills. lb. .17¾- .18
Refd., dms.....lb. .23 - .23¼
tanks.....lb. .21 - .21¼
Pectin, dom., NF, citrus, powd., bbls. lb 2.05 2.09
Dom., tech powd., 150 jelly grade. lb. 1.23 - —
Imp., Danish, ex whse lb 1.28 —
Penicillin potassium, cryst., bulk, 1,000,000 units. .0675- .0700
Penicillin procaine, bulk 1,000,000 units. .0675 -.0700
Penicillin, sodium, bulk 1,000,000 units. .0775- .0800
Pennyroyal oil, USP, imported, cns lb. 2.30 - 3.10

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Pentachlorophenol, bgs., c.l., t.l., works, frt. equald. lb. .23 • —
bgs., l.c.l., same basis lb. .23½- .30
Pentachlorophenol in dms. 1c. higher.
Pentaerythritol, tech., bgs., c.l., dlvd. lb. .30½- —
bgs., l.c.l., dlvd. lb. .30½- —
Pentaerythritol, di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, indust., tanks, Tex. refy. gal. .14 • —
Pentobarbital, dms., 100 lbs or more lb. 6.00 • —
Pepper, Malabar black, spot, bgs. lb. .23 • —
Lampong, black, bgs. lb. .24½- —
Sarawak black, bgs. lb. .25½- —
Red, Gondar, spot, bgs. lb. .26 • —
Funtuas, bgs. lb. .31 • —
Japanese, hontaka, bgs. lb. .27 • —
Santaka, bgs. lb. .23¼- —
Sudanese, bgs. lb. .33 • —
Zanzibar, bgs. lb. .45 • —
White, Muntok, bgs. lb. .38½- —
Peppermint leaves, dom., USP, bls., dms. lb. .70 • .75
Imp., USP, bls. lb. .85 • —
Peppermint oil, nat., dms. lb. 3.60 • 5.10
Redist., USP, dms. lb. 4.00 • 5.60
Perchloroethylene, dms., c.l., or t.l., dlvd. lb. .13¼- —
dms., l.c.l., dlvd. lb. .15¼- —
tanks, dlvd. lb. .12¼- —
tanktruck, 1,000 gal., min., dlvd. lb. .12¾- —
Peri acid, dry, bbls., frt. alld. lb. 1.35 • —
Paste, bbls., frt. alld. lb. 1.30 • —
Peru balsam, dms. lb. 1.35 • 1.95
Persic oil, USP (see Apricot kernel oil).
Petitgrain oil, South American, cns., dms. lb. 2.35 • 2.95
Petrolatum, cream, dms., c.l., refy. lb. .07¾- —
dms., l.c.l., dlvd. lb. .10¼- —
tanks, refy. lb. .05½- —
Extra amber, dms., c.l., refy. lb. .06¼- —
dms., l.c.l., dlvd. lb. .09¼- —
tanks, refy. lb. .04½- —
Lily white, dms., c.l., refy. lb. .08½- —
dms., l.c.l., dlvd. lb. .10½- —
tanks, refy. lb. .05½- —
USP, snow white, dms., c.l., refy. lb. .08¾- —
dms., l.c.l., dlvd. lb. .11 • —
tanks, refy. lb. .06¾- —
soft yellow, dms., c.l., refy. lb. .06¾- —
dms., l.c.l., dlvd. lb. .09¼- —
tanks, refy. lb. .04½- —
Petroleum pitch (see Asphalt, petroleum).

Petroleum Products

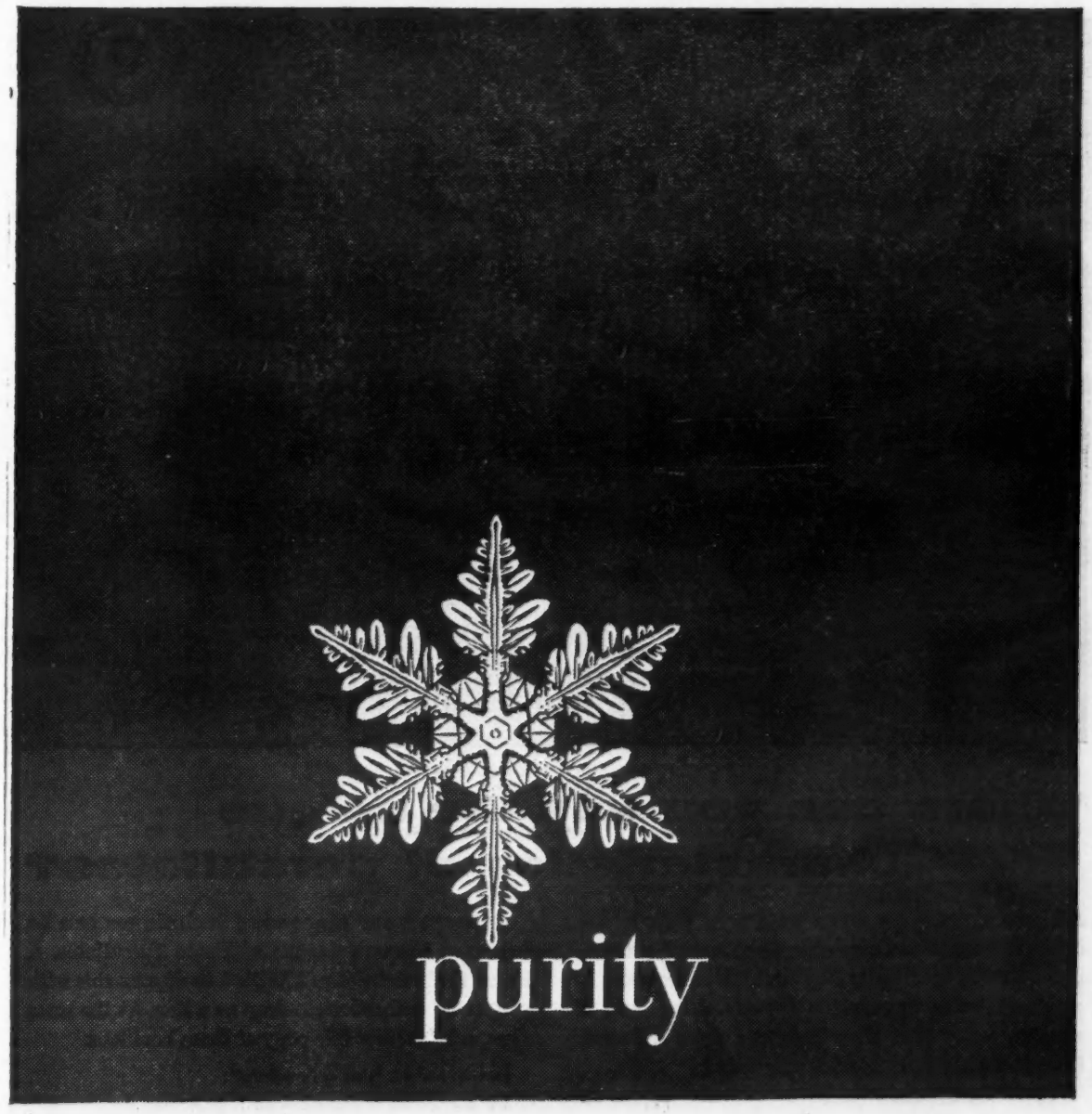
Petroleum product quotations, formerly grouped under one heading, are now listed individually. For example, prices on Petroleum, mineral spirits, may be found in the M's under Mineral spirits, petroleum.

Petroleum sulfonate, oil soluble, 60-62% sulfonic content, non-ret. dms., c.l., works lb. .16¼- .18¾
non-ret. dms., l.c.l., works lb. .17½- .19
tanks, works lb. .14½- .17
Petroleum sulfonate, oil soluble, 50-55%, sulfonic content, non-ret. dms., c.l., works lb. .16 • —
non-ret. dms., l.c.l., works lb. .17 • —
tanks, works lb. .13 • —
o-Phenetidine, dms., c.l., frt. alld. E. lb. .91 • —
dms., l.c.l., same basis lb. .93 • —
p-Phenetidine, dms., c.l., frt. alld. lb. 1.03 • —
dms., same basis lb. 1.08 • —
Phenobarbitol, USP, dms., 100-lb. lots lb. 3.23 • —
Phenobarbital-Sodium (See sodium phenobarbital).
Phenol, 90-92% (cresol 8-10%), non-ret. dms., frt. alld. E. of Rockies lb. .13 • —
non-ret. dms., l.c.l., same basis. lb. .19 • —
tanks, same basis lb. .16 • —
82-84% (cresol 16-18%), non-ret. dms., c.l., same basis lb. .17½- —
non-ret. dms., l.c.l., same basis. lb. .18½- —
tanks, same basis lb. .15½- —
39°C. or above, tar distilled non-ret. dms., c.l., same basis lb. .19½- —
non-ret. dms., l.c.l., same basis. lb. .20½- —
tanks, same basis lb. .17½- —
Phenol, USP, syn., dms., c.l., t.l., frt. alld. lb. .20½- —
dms., same basis lb. .21¼- —
tanks, same basis lb. .18¼- —
Phenolphthalein, USP or yellow, fib. dms., 2,000-lb. lots lb. 1.30 • 1.32
fib. dms., smaller lots lb. 1.32 • 1.37
Phenothiazine, drencn, fib. dms., t.l., dlvd. lb. .44 • —
fib. dms., l.t.l., same basis lb. .47 • —
NF, fib. dms., t.l., same basis lb. .43 • —
fib. dms., l.t.l., same basis lb. .46 • —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 • —
Phenyl salicylate (see Salol).
Phenylacetaldehyde, soln., 50%, bots. lb. 2.93 • —
100%, bots lb. 4.00 • 4.65
Phenylacetic acid, pure, cryst., cns. lb. 1.25 • 1.75
dl-Phenylalanine, dms., works lb. 27.00 • 37.50
1-Phenyl-3-carbethoxy pyrazolone-5, fib. dms., 200-lb. lots, dlvd. E. lb. 3.45 • —
fib. dms., smaller lots, dlvd. E. lb. 3.80 • —
N-Phenyldiethanolamine, dms., c.l., dlvd. E. lb. .41 • —
dms., l.c.l., dlvd. E. lb. .42 • —
tanks, dlvd. E. lb. .38½- —
m-Phenylenediamine, dms., frt. alld. lb. 1.03 • 1.10
o-Phenylenediamine, coml., 100 to 1,000 lbs., fib. dms., works lb. 1.70 • 1.80
p-Phenylenediamine, refd., dms., works lb. 1.42 • —
Tech., dms., works lb. 1.40 • —
Phenylethanolamine, dms., c.l., works lb. .75½- —
dms., l.c.l., same basis lb. .76¼- —
Phenylethyl acetate, bots. lb. 1.30 • 1.60
b-Phenylethylamine, dms., 1,000-lb. lots works lb. 1.10 • —
dms., smaller lots works lb. 1.15 • 1.40
2-Phenylethyl alcohol, extra, dms. lb. 1.14 • 1.45
Standard, dms lb. 1.10 • 1.60
Phenylglyconic acid (see Mandelic acid)
Phenylhydrazine, 97%, 450-lb. dms. lb. 1.45 • —
1-Phenyl-3-methyl pyrazolone-5, fib. dms., 250-lb. lots, dlvd. E lb. 1.80 • —
fib. dms., smaller lots, dlvd. E lb. 2.10 • —
Phenylethylphenyl acetate, bots lb. 4.00 • 4.25

o-Phenylphenol, dms., l.c.l., works lb. .49 • .50
p-Phenylphenol, bgs., c.l., works lb. .38½- —
bgs., l.c.l., works lb. .43 • —
Philippine copal gum, pale, chips, bgs. lb. .23¾- .28
nubs, bgs. lb. .32½- .38
seeds, bgs. lb. .20 Nom.
sorts, bgs. lb. .22¾- .25
Phloroglucinol, coml., fib. dms., works lb. 6.40 • —
CP, bots., works lb. 17.75 • —
Tech., fib. dms., works lb. 10.45 • —
Phloxin red toner (see Eosin red toner).
Phosgene, ref. cyls., works lb. .15½- —
Phosphate, defluorinated (see under D).
Phosphate rock, Curacao, Atlantic ports, New Orleans ton. 43.00 • —
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried unground, 66-68% b.p.l., bulk, c.l., mines. long-ton. 5.11 • —
68-70% b.p.l., bulk, c.l., same basis long-ton. 5.51 • —
70-72%, b.p.l., bulk, c.l., same basis long-ton. 6.16 • —
74-75%, b.p.l., c.l., bulk, same basis long-ton. 7.16 • —
76-77% b.p.l., c.l., bulk, same basis long-ton. 8.16 • —
Above Florida prices are based on fuel oil at $2.57 per bbl. and labor at $1.47.
Phosphoric acid, food grade, 75%, cbys., c.l., works, E., frt. equald. 100 lbs. 7.00 • —
cbys., l.c.l., same basis. 100 lbs. 7.21 • 7.73
tanks, t.w., works 100 lbs. 5.60 • —

Phosphoric acid, food grade, 80%, cbys., c.l., frt. equald. 100 lbs. 7.85 • —
cbys., l.c.l., works 100 lbs. 8.10 • 9.35
tanks, t.w., works 100 lbs. 6.00 • —
NF, 85%, cbys., c.l., works 100 lbs. 8.50 • —
cbys., l.c.l., works 100 lbs. 8.73 • 9.00
tanks, t.w., works 100 lbs. 6.63 • —
Phosphorus, amorph, red, dms., t.l., works lb. .53 • —
dms., smaller lots, works lb. .56 • .57
white (yellow) solid dms., c.l., works, frt. equald lb. .20 • .20½
dms., l.c.l., works, frt. equald lb. .21½- —
tanks, works, frt. equald lb. .12 • —
Phosphorus oxychloride, dms., c.l., works lb. .14 • —
dms., l.c.l., works lb. .15 • —
tanks, works lb. .12½- —
Phosphorus pentasulfide, powd., dms., c.l., works lb. .13½- —
dms., l.c.l., works lb. .14½- .15½
solid, dms., c.l., works lb. .11½- —
dms., l.c.l., works lb. .12½- .13½
Phosphorus pentoxide, dms., c.l., works lb. .1395- .1450
dms., l.c.l., works lb. .1530- .1650
Phosphorus sesquisulfide, dms., c.l., works lb. .38 • —
dms., l.c.l., works lb. .39 • .40
Phosphorus trichloride, dms., c.l., works lb. .14 • —
dms., l.c.l., works lb. .15 • —
tanks, works lb. .12½- —

Phthalic anhydride bgs., c.l., works, frt equald lb. .21 • —
bgs., l.c.l., same basis lb. .22 • —
tanks, same basis lb. .20½- —
Phthalimide, 97-98%, dms., frt. allowd lb. .65 • —
Phthalocyanine blue, full strength, bbls., dlvd. E. of Rockies lb. 3.45 • —
Resinated bbls. same basis lb 3.00 • —
Water dispersable, bbls., same basis lb 1.69 • —
Phthalocyanine blue prices 1c. higher W. of Rockies.
Phthalocyanine green toner, bbls., works lb 3.95 • —
Resinated bbls. lb 3.50 • —
Water dispersable bbls. lb 1.71 • —
Phthalocyanine green prices 1c. higher W. of Rockies.
Phthalylsulfacetamide, fib. dms., 1,000-lb. lots or more lb. 5.00 • —
NF, fib. dms. lb. 5.20 • —
a-Picoline, dms. c.l. works, frt. equald lb. .43 .43½
dms. l.c.l. works frt. equald lb. .44 —
tanks same basis lb. .415 .423
b,g-Picoline 8°C. dms. c.l. works. lb. .32½- —
dms., l.c.l., works lb. .33 • —
g-Picoline, 98%, dms., l.c.l., dlvd lb. 2.00 • —
Picric acid NF bbls. lb. .85 • —
Tech. bbls lb. .44 • —
Pigment green B, kgs. lb. 1.45 • —
Pilocarpine hydrochloride, USP bots oz. 4.75 • 5.25



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Pilocarpine Nitrate—Pregnenolone

Pilocarpine nitrate, USP, bots., vials	oz.	4.65	4.75
Pimento, Jamaican, bgs	lb.	.65	—
Mexican, bgs.	lb.	.31½-	—
Pimento berry oil, NF, dms	lb.	3.75	9.25
Pimento leaf oil, cns	lb.	2.00	2.60
Pine oil, dest.-dist. dms., t.l., works	lb.	.15	—
dms. l.c.l. ex whse New York	lb.	.173	—
Steam-dist. dms. ex whse, New York	lb.	.176	—
dms. dlvd.	lb.	.179	—
Pineneedle oil, Siberian (see Abies Siberica oil)			
Pinetar oil, coml. dms. c.l. works	lb.	.0561-	—
dms. l.c.l. works	lb.	.0634-	—
dms. c.l. ex whse., New York	lb.	.0745-	—
tanks works	lb.	.046	—
Rectified, NF, dms., included, l.c.l., works, South	lb.	.40	—
dms., incl. l.c.l., ex whse., New York	lb.	.41½-	—
Refd., dms., incl., l.c.l., works	lb.	.35	—
dms. incl. l.c.l. ex whse. New York	lb.	.36½-	—
Pink root bls.	lb	2.50	—
Piperazine, dry, dms. t.l., frt. alld.	lb.	1.95	—
dms., l.c.l., same basis	lb.	2.00	—
Piperazine citrate, 36%, dms., t.l., frt, allwd	lb.	1.07	—
dms., l.t.l., same basis	lb.	1.09	—
Piperazine hexahydrated, 44%, dms., frt. allwd	lb.	.88	—
dms., l.t.l., same basis	lb.	.90	—
Piperidine, dist., dms., frt. equald.	lb.	1.10	—
Piperonyl butoxide, dms. dlvd. E.	lb	4.50	5.05
Piperonyl cyclonene dms. dlvd E.	lb	3.70	4.25

Pitches

Pitch quotations, formerly grouped under one heading, are now listed individually. For example, prices on Pitch, soybean, may be found in the S's under Soybean pitch.

Plaster of Paris (see Gypsum).			
Platinum metal, works	oz.	64.00	-70.00
Pleurisy root bls.	lb	.45	.50
Podophyllum resin, NF dms	lb	15.60	-16.10
Poke root, bls.	lb.	.19	.22
Polymyxin, bulk, bots., 50 billion units or more	units.	.52	—
1,000,000 units. bulk, bots., 25-50 billion units.	units.	.54	—
1,000,000 units. bulk, bots., 1-25 billion units.	units.	.56	—
1,000,000 units. Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works	lb.	.41	—
dms., 10,000-20,000-lb. lots, works	lb.	.43	—
dms., smaller lots, works	lb.	.46	.48
Polyoxyethylene sorbitan tristearate, dms. 20,000-lb lots works.	lb.	.41	—
dms., 10,000-20,000-lb. lots, works	lb.	.43	—
dms., smaller lots works	lb.	.46	.48
Pontianak copal gum chips bgs	lb.	.26	—
Nuhs bgs.	lb.	.37	.40
Poppy seed, Argentine, bgs	lb.	No stocks.	
Dutch, bgs.	lb.	.32	—
Danish	lb.	No stocks.	
Polish, bgs.	lb.	.32	—
Turkish, bgs.	lb.	No stocks.	
Potash, caustic, liq., 45% basis, dms., c.l. works	100 lbs.	4.25	—
dms., l.c.l., same basis.	100 lbs.	5.05	—
tanks, same basis	100 lbs.	3.70	—
Flake, 88-92%, dms., c.l., same basis	100 lbs.	9.15	—
dms., l.c.l., same basis.	100 lbs.	10.20	—
Solid, 88-92%, dms. c.l., works.	100 lbs.	8.70	—
dms., l.c.l., works	100 lbs.	9.75	—
Potassium acetate, NF, dms	lbs.	.31	.36
Potassium bicarbonate, USP gran., dms	lb.	.22	—
USP, powd., dms	lb.	.24	—
Potassium bichromate gran., bgs., c.l., t.l., works	lb.	.18	—
bgs., l.c.l., works	lb.	.18½-	.19¼
Potassium bichromate in dms ¼c. higher.			
Potassium bitartrate, gran. or powd., dms., c.l.	lb.	.40	—
dms. 5,000 lbs. 1 shipt	lb.	.40½-	—
dms., smaller lots	lb.	.41	.43
Imp., NF, gran. or powd., kgs.	lb.	.33½-	.37

Potassium bromate, dms., 1,000-lb. lots or more, works	lb.	.50	—
dms., smaller lots, works	lb.	.53	.62
Potassium bromide, USP, gran., bbls., kgs.	lb.	.39	40
Potassium carbonate, NF gran., bbls. dms	lb.	.20	—
dom., NF, powd., bbls., dms	lb.	.21	.22
Tech., calcined, bgs., c.l., works.	100 lbs.	8.50	—
bgs., l.c.l., same basis.	100 lbs.	9.55	—
Potassium carbonate, hydrated, 83-85%, bgs., c.l., works.	100 lbs.	7.10	—
bgs., l.c.l., works	100 lbs.	8.15	—
Potassium chlorate, cryst. dms. c.l., works	lb.	.12¼-	—
dms. l.c.l., works	lb.	.13½-	.14½
Powd., dms., c.l., works	lb.	.12¾-	—
dms., l.c.l., works	lb.	.14	.15
works	lb.	.12¼	—
NF, cryst., works, dms., 2,000 lbs. or more, works	lb.	.16¾-	—
Gran., 25-lb. metal dms	lb.	.36	—
Powd. dms., 2,000 lbs. or more, works	lb.	.17¼-	—
Potassium chloride, agricultural (see Potassium muriate)			
Potassium chloride, indust., 99.9% KCl, bulk, c.l., works	ton	29.00	—
bgs. c.l., works	ton	33.50	—
99.3% KCL, bulk, c.l., works.	ton	27.00	—
bgs. c.l. works	ton	31.50	—
USP, cryst., dms.	lb	.20	.22
gran., dms.	lb	.21	.23
powd., dms	lb	.24	.26
Potassium chromate, tech., bgs	lb	50	50½
Potassium citrate USP gran. dms.	lb.	.43	—
Powd., dms.	lb.	.40½-	.41½
Potassium cyanide, dms. 20,000-lb. lots or more works	lb.	.45	—
dms., 2,000-19,999-lb lots, works.	lb.	.455	—
dms., smaller lots, works	lb	.465	—
Potassium dichromate (see Potassium bichromate).			
Potassium ferricyanide, dms., ton lots, works	lb.	.50	—
dms., smaller lots, works	lb.	.65	—
Potassium ferrocyanide, dms., ton lots	lb.	.24½-	—
dms., smaller lots	lb.	.29	—
Potassium fluoborate, fib dms., c.l., works	lb.	.30	—
fib. dms., l.c.l., works	lb.	.31	—
Potassium fluoride, dms., works	lb.	.37	.38
Potassium gluconate, dms.	lb.	1.67	—
Potassium guaiacolsulfonate, NF, dms	lb.	2.10	2.30
Potassium hydroxide, tech. (see Potash, caustic).			
Potassium hydroxide, USP, pellets, 100-lb. dms., 1 to 100-dm. lots	lb.	.33½-	.38
Potassium hypophosphite, NF, fib. dms., 1,000-lb lots	lb.	1.38	—
Potassium iodide, 250-lb. dm.	lb.	1.43	—
Potassium manure salt, 22% K_2O, bulk, c.l., works	unit-ton.	.17	.1765
Potassium metabisulfite, gran., dms.	lb.	.16	—
Powd., dms.	lb.	.27	—
Potassium muriate, standard and gran., 59-63% K_2O, bulk, c.l., works, base price	unit-ton.	.35	—
Gran., 60-63% K_2O, bgs., c.l., works, contract price	ton.	26.25	-26.50
bgs., c.l., works, list price.	ton.	27.45	-27.50
Potassium nitrate, NF, cryst., bbls., 20-ton lots	100 lbs.	16.50	—
bbls., smaller lots	100 lbs.	17.50	-18.00
NF, gran., bgs., 20-ton lots	100lbs.	9.25	—
bgs., smaller lots	100 lbs.	10.50	-11.00
NF, powd., bgs., 20-ton lots	100 lbs.	10.25	—
bgs., smaller lots	100 lbs.	11.50	-12.00
Potassium oxalate, neutral, tech., fine gran., bbls., dms.	lb.	.32	.34
Potassium pentaborate, gran., dms., c.l., works	ton.	219.50	—
dms., ton lots, ex whse	ton.	311.00	—
dms., smaller lots, ex whse	ton.	316.00	—
Powdered potassium pentaborate $10 per ton higher.			
Potassium perchlorate, dms., c.l., works	lb.	.18½-	—
dms., l.c.l., works	lb.	.19	.20
Potassium permanganate, coml. kgs., works	lb.	.26	.29
USP, dms., works	lb.	.29¼-	.31
Potassium persulfate, dms., c.l., works	lb.	.17½-	—
dms., l.c.l., works	lb.	.18	.21
Potassium pyrophosphate, tetrabasic, dms., works	lb.	.15½-	.18½
Potassium prussiate red (see Potassium ferrocyanide).			
Potassium prussiate yellow (see Potassium ferro-cyanide).			
Potassium silicate, electrical grade, 30° Be, 1:2.0, dms., c.l., works	100 lbs.	6.50	—
dms., l.c.l., 5 dm. lots or more, works	100 lbs.	7.25	- 7.65
tanks, works	100 lbs.	6.15	—
Potassium silicate, glass grade, 40.5° Be, 1:2.1, dms., c.l., works.	100 lbs.	5.95	—
dms., l.c.l., 5 dm. lots or more, works	100 lbs.	6.70	—
tanks, works	100 lbs.	5.60	—
Potassium silicate glass, bgs., c.l. works	100 lbs.	17.30	-18.15
bgs. l.c.l. works	100 lbs.	17.80	—
Potassium silicate, soln., 29° Be, 1:2.5, dms., c.l., works	100 lbs.	4.95	—
dms. l.c.l. 5 dms. or more works	100 lbs.	5.70	—
tanks, works	100 lbs.	4.60	—
Potassium silicofluoride, bgs., works	lb.	.09½-	.10
Potassium silicofluoride in drums, 0.4c. per lb. higher.			
Potassium stannate, dms., frt. alld.	E. lb.	.755	.827
Potassium sulfate, agricultural, 50% K_2O, bulk, works, base price	unit-ton.	.64	—
bulk, works, July forward.	unit-ton.	.67	—
Potassium sulfate, NF VII, cryst., dms	lb.	.31	.33
Gran., dms.	lb.	.18½-	—
Powd., dms.	lb.	.16	.17
Potassium sulfocyanate, NF, cryst. (see Potassium thiocyanate).			
Potassium thiocyanate, NF cryst., dms., works	lb.	.96	.98
Tech., dms., works	lb.	.77	.79
Potassium titanate, ctns., c.l., works.	lb.	.16¼-	—
ctns., 5-ton lots, works	lb.	.16½-	—
ctns., 1-ton lot or less, works	lb.	.16¾-	—
Potassium-magnesium sulfate, basis 40% K_2SO_4 and 18% MgO, bulk, works, base price.	ton.	13.45	—
bulk, works, July forward	ton.	14.00	—
Potassium-sodium tartrate, NF gran. or powd. dms., c.l.	lb.	.42½-	—
dms., 5,000-lb. lots	lb.	.43	—
dms., smaller lots	lb.	.43½-	.49
Potassium-titanium fluoride, fib. dms., works	lb.	.39	.40
Potassium-zirconium fluoride, fib. dms., c.l., works	lb.	.50	—
fib. dms., l.c.l., works	lb.	.52½-	.55
Potato starch (see Starch, potato)			
Pregnenolone, bots.	gram.	No prices	

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Pregnenolone acetate, bots.... gram. No Prices
Procaine hydrochloride, USP, dms., 1,000-lb lots, frt. alld lb. 2.83 —
dms., 100-500 lb. lots..... lb. 2.95 3.15
Progesterone, USP, bots.....gram. No prices.
Progesterone acetate, bots....gram. No prices.
Propane, indust., tanks, group 3, gal. .05 —
tanks, Baton Rouge.....gal. .05375- —
tanks, New York harbor..gal. .1005- —
(¼c. discount offered).
Propenyl guaethol, dms. .....lb.24.30 -27.00
Propionic acid, syn., pure, dms., c.l., works..lb. .23¼- —
dms., l.c.l., works.....lb. .24¼- —
tanks, works .....lb. .20¾- —
n-Propyl acetate, dms., c.l., dlvd. lb. .14¾- —
dms., l.c.l., dlvd. ..... lb. .15¾- —
tanks, dlvd. ..... lb. .12¼- —
n-Propyl alcohol, dms., c.l., dlvd lb. .14 - —
dms., l.c.l. dlvd ..... lb. .15 - —
tanks, dlvd. ..... lb. .11½- —
n-Propyl gallate dms., 100 to 2,000-lb lots works lb. 3.90 4.40
n-Propyl p-Hydroxybenzoate, USP, dms lb 2.30 2.40
Propyl thiouracil, bots., 50 kilo lots or more kilo.55.00 - —
bots., smaller lots ..... kilo.55.10 -65.30
Propylene dichloride, consumers, dms., c.l., dlvd. E lb. .0845- —
dms., l.c.l., same basis .... lb. .0950- —
tanks, same basis .... lb. .07 - —
Propylene dichloride prices in West 1c. higher same basis.
Propylene glycol, indust., dms., c.l., dlvd. E lb. .16 - —
dms., l.c.l., same basis..... lb. .17 - —
tanks, same basis ..... lb. .13½- —
USP, dms., c.l., dlvd. E..... lb. .18 - —
dms., l.c.l., same basis ..... lb. .19 - —
tanks, same basis ..... lb. .15½- —
Propylene glycol methyl ether, dms., c.l., dlvd lb. .20 - —
dms., l.c.l., same basis..... lb. .21 - —
tanks, same basis ..... lb. .18½- —
Propylene oxide dms., c.l., dlvd E, lb. .18 - —
dms., l.c.l., dlvd E ..... lb. .19 - —
tanks, dlvd. E ..... lb. .15½- —
Psyllium seed, black, bgs. .....lb. .32 - .34
Blonde, bgs. .....lb. .16 - .18
Husks, bgs. .....lb. .39 - —
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots, lb. .03½- .04¼
bgs., smaller lots. ..... lb. .03½- —
Imp., Italian, silk-screen, coarse, bgs., ton lots..lb. .06½- —
fine, bgs., ton lots.....lb. .04 - —
sun dried, coarse, bgs.....ton.60.00 - —
fine, bgs. .....ton.60.00 -70.00
Pumpkin seed, bgs .....lb. .25 - .30
Pyrethrins, syn. (see Allethrin).
Pyrethrum flowers, fine grd., 0.9% pyrethrins, bbls., works.lb. .45 - —
Powd. 1.3% pyrethrins, bbls., works lb. .65 - —
Pyrethrum liquid, 20:1 basis (2 grams pyrethrins per 100cc odorless base), dms., works gal. 6.75 - 8.85
100:1 basis (10 grams pyrethrins per 100cc odorless base) dms., works gal.41.75 -42.75
Pyrethrum oleoresin, dewaxed, 20%, dms., works lb.10.00 - —
purif., 20% dms., works .....lb.10.00 -10.10
Pyridine, denat., dms., c.l., works and frt. equald gal. 2.77 - —
dms., l.c.l., same basis .. gal. 2.80 - —
Refd., 2° non-ret. dms., l.c.l., same basis lb. .73 - —
Pyridoxine hydrochloride, bots., 500-gram lots or more..kilo.218.00 - —
Pyrites, Canadian, 48-50% S, mines, long-ton. 5.00 - 6.00
Pyrocatechol (see Catechol).
Pyrogallic acid, NF (see Pyrogallol).
Pyrogallic acid, tech., bbls..... lb 3.17 - 3.25
Pyrogallol, NF, 100 lb dms..... lb 3.50 - —
Pyroxylin, USP, bots.....lb. 9.50 - —

Q

Quassia chips ..... lb. .17 - —
Quebracho extract, clarified, grd., 70% tannin, bgs., works lb. .16½- .17
Clarified, liq., 30% tannin, bbls., works lb. .08½- .08½
Clarified, solid, 64% tannin, bgs., c.l., ex dock lb. .108718- —
Ordinary solid 63% tannin, bgs., c.l., same basis lb. .099228 —
Quercetin, fib. dms., kilo lots kilo.26.40 - —
Quercitron extract, cryst., No. 1, bbls., l.c.l. lb. .40 - —
Liq., No. 1, bbls., l.c.l. ..... lb. .19 - —
Quicksilver (see Mercury metal)
Quince seed, bgs ..... lb. 2.00 Nom.
Quinidine sulfate, USP cns., 1,000-oz. lots oz. .74½- .75
Quinine, NF cns., 100-oz. lots oz. .54 - —
Quinine bisulfate, USP cns., 100-oz. lots oz. .28 - .29
Quinine hydrochloride cns., 1,000-oz. lots oz. .32 - —
Quinine sulfate, USP cns., 1,000-oz. lots..oz. .27½- .29
Quinoline, dms., c.l., frt. equald lb. .50¾- —
dms., l.c.l., same basis..... lb. .51¼- —
tanks, same basis ..... lb. .50 - —

R

R salt, paste, dms., frt. alld., 100% basis lb. .83 - —
Powd., frt. alld., 100% basis... lb. .98 - —
Rapeseed oil, dms., ...lb. .17½- .18
tanks .....lb. .16 - —
Rare earth oxalate, 45-50%, bgs., works lb. 1.00 - —
Rauwolfia serpentina root, powd., bbls., dms. lb. 1.00 - —
Red, carmine No. 40 (see Carmine).
Red oil (see Oleic acid)

Red Pigments

Red pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Red, lithol toner, may be found in the L's under Lithol red toner.

Red precipitate (see Mercuric oxide, red).
Red, saunders, NF powd., bbls lb. .35 - .40
Reserpine, cryst., bots. .....gram. 1.40 - 1.60
Resorcinol, tech. grade, dms., c.l., works, frt. equald.....lb. .77½- —
dms., l.c.l. same basis.....lb. .78½- —
USP, cryst., dms. works..... lb. 2.75 - —
powd., dms. works ..... lb. 2.95 - —
Resorcinol monoacetate, NF, dms. lb. 2.50 - —
Rhatany root, bgs. .....lb. .15 - .16
Rhodamine red toner, molybdated, PMA, kgs. lb. 6.00 - —
Tungstated, PTMA, works, kgs lb. 6.60 - —
Rhodinol, 5-lb. cans .....lb.33.00 -39.00
Synthetic .....lb.15.00 -16.00
Rhubarb root, India, whole, bgs lb. .30 - —
Powd., bgs. .....lb. .38 - —
Riboflavin, USP, fib. dms., kilo or more, dlvd kilo.40.00 - —
USP readily soluble, bots., dlvd. kilo..130.00 - —
Riboflavin, 5-phosphate-sodium, fib. dms., kilo or more, dlvd. kilo.107.50 - —
Rice bran oil, clarified., dms., l.c.l. tanks, dlvd. E.....lb. .14 Nom.
Rice starch (see Starch, rice).
Ricinoleic acid (see Castor oil acids, split).
Rochelle salt (see Potassium-sodium tartrate).
Roofing pitch (see Coaltar pitch, roofing).
Rose oil, nat., Bulgarian, bots..oz.72.00 - —
Turkish, bots. .....oz.55.00 -58.00
Rosemary oil, Spanish, NF, cns., dms..lb. 1.10 - 1.40
tech., cns., dms.....lb. .50 - 1.10
Rosin, gum and wood (see Naval Stores in Protective Coatings market).
Rotenone, fib. dms., works, unit-lb. .12 - —
resin, 25-45%, fib. dms., works, unit-lb. .12 - —
Rottenstone, bgs., 5-ton lots, ex-whse lb. .03¾- —
bgs., ton lots, same basis lb. .04¼- —
Rubber solvent, petroleum, tanks, Calif. ex tax, San Francisco gal. .178 - —
tanks, east coast, N. J., N. Y. gal. .19 - —
tanks, group 3.....gal. .13375- —
Rue oil, bots. .....lb. 2.75 - 3.00
Rutin, NF, fib. dms., 10 kilo lots, kilo.16.50 - —
fib. dms., 5 kilo lots.....kilo.17.00 - —
fib. dms., 1 kilo.....kilo.18.00 - —

Ryania, 100%, powd., bgs., c.l., works lb. .22 - —
bgs., l.c.l., same basis.....lb. .24 - —

S

S acid, bbls., works.....lb. 3.25 - —
Sabadilla seed, activated, ground with lime, bbls..lb. .42 - .44
Saccharin, calcium, fib. dms., 1,000-lb. lots, works .....lb. 2.50 - —
USP, gran., soluble, dms., 1,000-lb. lots..lb. 1.60 - —
dms., smaller lots .....lb. 1.70 - 1.80
USP, powd., soluble insoluble, dms., 1,000-lb. lots.....lb. 1.63 - —
dms., smaller lots .....lb. 1.75 - 1.95
Safflower oil, dms., New York lb. .1783- .1833
tanks, same basis .....lb. .1583- —
Refd., pharm., dms.....lb. .32½- —
Safrol, dms. .....lb. .80 - .95
Saffron, Mancha Superior, tins..lb.34.00 - —
Sage, Greek, bgs .....lb. .14 - —
Dalmatian, cns. .....lb. .36 - .40
Italian, cns. .....lb. .15 - —
Sage oil, clary, bots.....lb.25.00 -32.00
Dalmatian, cns. .....lb. 3.75 - 4.00
Spanish, cns. .....lb. 1.20 - 1.45
Sago flour, raw, bgs. .....lb. .07 - .07¼
Refd., bgs. .....lb. .09 - .09¼
Sal soda (see Soda ash).
Salicylaldehyde, dms., c.l., t.l., f.o.b. plant, frt. equald.....lb. 1.23 - —
dms., l.c.l., same basis .....lb. 1.25 - —
Salicylamide, 100-lb. dms.....lb. 1.00 - 1.10
Salicylic acid, crude, fib. dms., c.l., t.l., frt. alld lb. .37¼- —
fib. dms., l.c.l., frt. alld. or 100 lbs. or more lb. .38½- —
sublimed, tech., fib. dms., c.l., t.l., dlvd lb. .39¼- —
fib. dms., l.c.l., dlvd. ..... lb. .43½- —
Salicylic acid, USP, cryst., 200-lb. fib. dms., 1,000 lbs. or more lb. .50½- —
fib. dms., less than 1,000 lbs. lb. .53½- —
100 lb. fib. dms. 1,000 lbs. or more lb. .52½- —
fib. dms., less than 1,000 lbs. lb. .55½- —
USP, powd., 100 lb. fib. dms., 1,000 lbs or more lb. .57½- —
fib. dms., less than 1,000 lbs. lb. .60½- —
Salol, NF, gran., bbls., kgs. lb. 1.20 —
Powdered salol, 25c per lb higher
Salt, rock, paper bgs., c.l. 100 lbs. 1.09 - —
Salt, table, vacuum, common, fine, paper bgs., c.l. 100 lbs. 1.34 - —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton.28.00 - —
Saltpeter (see Potassium nitrate).
Sandalwood, E. Indian chips, bgs. lb. .65 - .68
Powd., fib. dms .....lb. .73 - .76
Sandalwood oil, cns.....lb.11.20 -13.25
Sardine oil, crude tanks, Pac. coast. lb. No stocks.
Sassafras oil, artif., dms..... lb .50 .62
Nat., dom., dms .....lb. 1.70 - 2.15

PETRONATE

Reg. U. S. Pat. Off.

. . . the oil-soluble petroleum sulfonate for all four major functions . . .

A Emulsification and Dispersion of Liquids

B Dispersion and Wetting of Solids

C Wetting and Dispersion of Liquid-Solid Systems

D Inhibition of Rust and Corrosion

PETRONATE is the general trade name given by Sonneborn to its various types and grades of oil-soluble petroleum sulfonates.

The chart suggests the broad range of uses for this material. A laboratory sample of **PETRONATE** will help you determine how its many advantages can be put to efficient use in your manufacturing processes.

Check the coupon below indicating the use intended so that we can send you the proper type of **PETRONATE**.

USES OF PETRONATE

APPLICATION	PRIMARY FUNCTION OF PETRONATE	SECONDARY FUNCTION
EMULSIFICATION AND DISPERSION OF LIQUIDS		
1. Insecticide Emulsions	Emulsifying Agent for Toxicant	Spreading Agent
2. Textile Oils	Emulsifying Agent for Textile Processing Oils	Wetting and Dispersing Agent for Textile Fibers
3. Leather Oils	Emulsifying Agent for Leather Processing Oils	Wetting and Dispersing Agent for Leathers
4. Drilling Mud	Emulsifying Agent for Oil	Surface Tension Depressant
DISPERSION AND WETTING OF SOLIDS		
5. Rubber Manufacture	Thermo Plasticizing Agent	Increases Dispersibility of Filler
6. Fuel Oil	Keeps Sludge in Suspension	Prevents Segregation of Moisture
7. Printing Ink Manufacture	Aids Dispersion of Pigment	Reduces Viscosity of Ink
8. Ore Flotation	Flotation Reagent	Selective Wetting Agent
9. Additives for Lube Oil	Acts as Detergent	Inhibits Bearing Corrosion
WETTING AND DISPERSION OF LIQUID-SOLID SYSTEMS		
10. Crude Oil Emulsion Splitting	Reverting Agent for Water-in-Oil Emulsions	Aids in Wetting out Salts and Solids
11. Emulsifiable Solvent Cleaners	Dispersing Agent for Oil and Grease Deposits	Acts as Emulsifying Agent
12. Dry Cleaning Compounds	Linking Agent for Water and Solvent	Loosens Dirt Absorbed by Fabric
13. Fat Splitting Process	Dispersing Agent for Solid Fats	Acts as Wetting Agent
INHIBITION OF RUST AND CORROSION		
14. Corrosion Preventive Compounds	Rust and Corrosion Inhibiting Agent	Acts as Moisture Barrier
15. Anti-Freeze Solutions	Rust and Corrosion Inhibiting Agent	Aids in Dispersion of Scale
16. Soluble Cutting Oils	Emulsifying Agent for Mineral Oil	Rust Inhibitor

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Please send sample of PETRONATE suitable for use indicated below (circle number corresponding to use in chart above).

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Name_____

Company_____

Address_____

City_____ P.O. Zone_____ State_____

Savin Oil—Sodium Lactate

Savin oil, USP, cns.	lb.	7.50	—
Savory oil, cns.	lb.	4.25	—
Schaeffer's salt, paste, dms., frt. alld. 100% basis	lb.	.85	—
Powd. bgs., frt. alld. 100% basis.	lb.	.95	—
Scopolamine hydrobromide, USP, bots	oz.	13.00	15.90
Sebacic acid, CP, dms., c.l., works.	lb.	.69½	—
dms., l.c.l., works	lb.	.71½	—
Purified, dms., c.l., works	lb.	.65½	—
dms., l.c.l., works	lb.	.67½	—
Seidlitz mixture fib dms. 5,000-lb. lots	lb.	.30½	—
fib dms. smaller lots	lb.	.31	.32
Selenium powd., 99½%, dms., dlvd.	lb.	7.00	—
Senega root, bls	lb.	2.65	2.70
Senna leaves, Alexandria, whole and half, bls	lb.	.19	—
siftings	lb.	.17	—
Tinnevelly No. 1, bls	lb.	.19	.20
No. 2, bls	lb.	.16	.17
No. 3, bls	lb.	.14	—
pods, bls	lb.	.22	—
powd. bbls. bxs	lb	.17	—
Serpentaria root, bls	lb	7.50	8.00
Sesame oil, USP, dms	lb.	.38	.39
Sesame seed, Leb. hulled, bgs	lb.	.19	—
Columbian, hulled, bgs	lb.	.15½	—
Nicaraguan hulled shipt., bgs.,	lb.	.24½	—
nat., bgs.	lb.	.16	—
Salvadorian, nat., bgs	lb.	.16	—

Shellac, bleached, bonedry, bgs., 1,500-lb. lots	lb.	.46	—
bbls., 1,500-lb. lots	lb.	.47	—
kgs., 1,500-lb. lots	lb.	.48	—
Bonedry shellac prices for less than 1,500 lb. lots 1c. per lb. higher for all packages.			
Shellac, bleached, refd., bgs., 1,500-lb. lots	lb.	.56	—
bbls., 1,500-lb. lots	lb.	.57	—
kgs., 1,500-lb. lots	lb.	.58	—
Shellac orange, lemon No. 1, bgs., 10-bg. lots	lb.	.38	.39
lemon No. 2, bgs., 10-bg. lots	lb.	.36	.37
superfine, bgs., 10-bg. lots	lb.	.34	.35
TN, bgs., 10-bg. lots	lb.	No Stocks	
Shellac in 1 to 10-bg. lots 1c. per lb. more.			
Shingle stain oil, tar distillate, dms., c.l., works	gal.	.37	—
dms., l.c.l., works	gal.	.48	—
tanks, works	gal.	.25	—
Sienna pigment, burnt, paper bgs., c.l., works	lb.	.06½	.18½
paper bgs., l.c.l., works	lb.	.06¾	.17¾
Raw, paper bgs., c.l., works	lb.	.06¾	.16¾
paper bgs., l.c.l., works	lb.	.07	.17
Silica, amorph., dry-grd. 325 mesh, bgs., c.l., works	ton.	25.00	—
bgs. l.c.l., works, ex whse.	ton.	45.00	55.00
hard-quartz, 99½%, 325 mesh, bgs., c.l. works	ton.	20.00	—
bgs. l.c.l. works	ton.	25.00	—
99½% 140 mesh bgs., c.l., works	ton.	15.00	—
bgs., l.c.l., works	ton.	20.00	—

Silicon tetrachloride, tech., dms., c.l., works	lb.	.18	—
dms., l.c.l., works	lb.	.22	.50½
tanks, works	lb.	.17	—
Silver bullion, ingots, es	Troy oz.	.88⅛	—
Silver cyanide, bots., 1,000-oz. lots.	oz.	.89¼	—
bots., 500-oz. lots	oz.	.90	—
bots., 100-oz. lots	oz.	.91	—
Silver nitrate, CP, cryst., bots., 2,500-oz. lots	oz.	.63¼	—
bots., 1,000-oz. lots	oz.	.63⅜	—
bots., 500-oz. lots	oz.	.64½	—
bots., 250-oz. lots	oz.	.64¾	—
USP granular silver nitrate 4c. per oz. higher.			
Silver proteinate, mild, USP, bots., dms., 1,000-oz. lots	oz.	1.15	—
Strong, NF bots. dms. 1,000-oz. lots	oz.	1.10	—
Snakeroot oil, Canada, cns	lb.	53.00	60.00
Soapbark, crushed, bls	lb.	.35	—
Powd., bls.	lb.	.35	—
Whole, bls.	lb.	.30	—
Soda ash dense, 58%, paper bgs., c.l., works 100 lbs.		1.90	—
paper bgs., l.c.l., stock pts 100 lbs.		3.00	4.77
bulk, c.l., works 100 lbs.		1.60	—
Light, 58%, paper bgs., c.l., works 100 lbs.		1.85	—
paper bgs., l.c.l., stock pts. 100 lbs.		3.95	4.72
bulk, c.l., works 100 lbs.		1.55	—
Soda, caustic, flake, 76%, dms., c.l., works, frt. equald. 100 lbs.		5.20	—
Liq., 50% sellers tanks, works, dry basis 100 lbs.		2.90	—
50%, rayon type, sellers' tanks, works, dry basis 100 lbs.		2.90	3.00
73%, sellers' tanks, works, dry basis 100 lbs.		3.00	—

Soda, caustic, liq., 73%, rayon type, sellers' tanks, works, dry basis 100 lbs.		3.00	3.10
Solid, 76%, dms., c.l., works. 100 lbs.		4.80	—
Soda, sal, conc., bgs., c.l., works. 100 lbs.		2.50	—
bgs. smaller lots, works 100 lbs.		2.80	—
Sodium acetate, anhyd., bgs., c.l., dlvd. E	lb.	.14¼	—
bgs., l.c.l., same basis	lb.	.16½	—
NF, 60%, gran., dms., c.l., works	lb.	.15½	—
dms., l.c.l., works	lb.	.17½	—
Sodium alginate, NF, white powd., dms., 300 lbs. or more	lb.	.93	—
Sodium p-aminosalicylate, dms., 100-lb lots or more, frt. adjusted	lb.	2.70	—
Sodium antimoniate, bgs., c.l., dlvd. E	lb.	.25½	—
bgs., l.c.l., dlvd. E	lb.	.27	—
Sodium arsenate, 60% arsenic pentoxide, dealers, dms., ton or more, works	lb.	.26	—
dms., less than ton lots, works	lb.	.26½	—
Sodium arsenite 90% pink powder. 75% arsenious oxide, dealers, dms., ton lots or more, works.	lb.	.17½	—
dms., less than ton lots, works.	lb.	.18	.19
Sodium ascorbate, dms., 25-50 kilo lots	kilo.	10.00	—
dms., 10-kilo lots	kilo.	10.35	—
dms., 5-kilo lots	kilo.	10.75	—
dms., 1-kilo lots	kilo.	11.00	—
bots., 500-gram bots	kilo.	11.50	—
Sodium benzoate, tech. c.l., t.l., frt. alld	lb.	.35	—
dms., l.c.l., same basis	lb.	.39	—
USP, c.l., t.l., frt. alld	lb.	.38	—
ton lots, same basis	lb.	.43	—
1,000-lb. lots, same basis	lb.	.45	—
Sodium bicarbonate USP, gran., bgs., c.l., works 100 lbs.		2.95	—
bgs., l.c.l., works 100 lbs		3.85	—
USP, powd., bgs., c.l., works. 100 lbs		2.55	—
ogs., l.c.l., works 100 lbs		3.45	—
Sodium bichromate, gran., bgs., c.l., t.l., works	lb.	.13	—
bgs., l.c.l., works	lb.	.13½	.14¾
Sodium bifluoride bbls. c.l., works, frt. equald	lb.	.19½	—
bbls., l.c.l., same basis	lb.	.1990	—
Sodium bisulfate, bulk c.l. works 100 lbs.		2.00	—
dms., c.l., frt. equald 100 lbs.		3.00	3.60
dms., l.c.l., frt. equald 100 lbs		3.50	4.10
Sodium bisulfite anhyd., bgs., c.l. works 100 lbs		5.00	—
bgs., l.c.l., works 100 lbs.		5.45	—
Soln., 35°, bbls., c.l., works. 100 lbs.		1.70	—
bbls., l.c.l., works 100 lbs		2.20	—
Sodium borate (see Borax)			
Sodium bromide, USP, gran., dms., works	lb.	.40	—
Sodium carbonate, cryst. monohydrated (see Soda sal)			
Sodium carbonate, monohydrated, bgs., c.l., works 100 lbs.		3.10	—
bgs., l.c.l., works 100 lbs		3.50	—
Sodium carboxymethyl cellulose (see CMC)			
Sodium chlorate, cryst., 350-lb. dms., c.l., works	lb.	.09	—
dms., l.c.l., works	lb.	.09½	10½
Sodium chlorate in 100-lb. dms. only, ¼c. per lb. higher.			
Sodium chloride, tech. (see Salt)			
Sodium chloride, USP gran. bgs.	lb.	.03	—
Sodium chlorite tech. dms., c.l., works	lb.	.58	—
dms., 20-dm. lots or more, works.	lb.	.66	—
dms. smaller lots works	lb.	70	.73
Sodium chloroacetate tech. dms., c.l. works	lb.	.27	—
dms. l.c.l. works	lb.	.28	—
Sodium chromate, anhyd. fib dms., c.l. t.l. works	lb.	.14¾	—
fib. dms. l.c.l. works	lb.	.15¼	.16½
Sodium chromate, tetrahydrate, bgs., c.l., t.l., works	lb.	.1015	—
bgs. l.c.l.	lb.	.1065	.1190
Sodium citrate, anhyd. dms	lb.	.62	—
NF VIII, gran., dms	lb.	.26½	.27½
USP XIV gran. dms	lb.	.29½	.30½
Sodium citrate USP powd prices ½c higher			
Sodium cyanate dms. 1,000-lb. lots, works	lb.	.85	—
dms. smaller lots, works	lb.	.90	1.10
Sodium cyanide, flake, 96-98%, dms., c.l or 20,000-lb lots	lb.	.193	—
dms., over 1,000-lb. lots	lb.	.203	—
dms., 100-lb to 1,000-lb lots.	lb.	.213	—
Gran sodium cyanide 1c higher.			
Sodium diacetate, 33-35% acidity, 250-lb. dms. works	lb.	.15	—
250-lb dms. l.c.l. works	lb.	.15¾	—
Anhyd. dms. c.l. works	lb.	.18	—
dms. l.c.l. works	lb.	.18¾	—
Sodium dimethyl dithiocarbamate, 40% soln., dms., c.l., t.l., frt. alld., 100% basis	lb.	.42	—
dms., l.c.l., l.t.l., same basis	lb.	.47	.52
tanks, same basis	lb.	.38	—
Sodium ferrocyanide bgs. 10-ton lots	lb.	.13½	—
bgs. smaller lots	lb.	.14	—
Sodium fluoride, white, 97% fib. dms., c.l., works, frt. equald	lb.	.1390	—
fib. dms., l.c.l., works, frt. equald	lb.	.1430	—
Sodium formate, bgs., c.l. works. 100 lbs.		7.00	—
bgs. l.c.l. works 100 lbs		8.65	—
Sodium gentisate 100-lb fib dms.	lb	5.50	—
Sodium gluconate refd., dms.	lb.	.84	—
Tech., dms., bgs.	lb.	.37	.39
Sodium hydride powd. dms. works.	lb.	1.90	3.75
Sodium hydrosulfide (see Sodium sulfhydrate)			
Sodium hydrosulfite dms. c.l., frt. alld	lb.	.23¾	—
dms., l.c.l. frt. alld	lb.	.24¾	—
Sodium hydroxide, NF, pellets, 100-lb dms. 1 to 100-dm lots.	lb.	.23½	.28
Sodium hydroxide tech (see Soda, caustic)			
Sodium hypophosphite NF dms., 1,000-lb. lots	lb.	.97	—
Sodium hyposulfite anhyd. photo grade, bgs. c.l., works. 100 lbs.		7.50	8.05
bgs., l.c.l., works 100 lbs.		7.89	8.45
Tech., bgs., c.l., works 100 lbs.		7.25	—
bgs., l.c.l., works 100 lbs.		7.60	—
Sodium hyposulfite hexahydrate, pea. cryst. bgs., c.l., works 100 lbs.		5.15	—
bgs. l.c.l. works 100 lbs		5.55	—
photo grade bgs. c.l. works. 100 lbs		7.75	—
bgs. l.c.l. works 100 lbs		8.05	—
Sodium hyposulfite pentahydrate, tech., bgs. c.l., works. 100 lbs.		4.65	5.15
bgs., l.c.l., works 100 lbs.		4.90	5.55
Sodium iodide, USP, 300-lb. dm	lb.	1.98	—
Sodium lactate, edible 60% chys., dms. works	lb.	.26½	—

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Sodium lauryl sulfate, dms., c.l., dlvd. lb. .19 • —
dms., l.c.l., dlvd. lb. .19¼- .20¼
tanks, dlvd. lb. .18 • —
Sodium metabisulfite (see Sodium bisulfite).
Sodium metaborate, octahydrate, gran., bgs., c.l., works ton.92.00 • —
bgs., ton lots, ex whse. ton.150.00 • —
bgs., smaller lots, ex whse. ton.155.00 • —
Sodium metaborate tetrahydrate, bgs., c.l., works ton.200.00 • —
bgs., ton lots, ex whse. ton.288.50 • —
bgs., smaller lots, ex whse. ton.273.50 • —
Sodium, metallic, bricks, c.l. works. lb. .19¼- —
Fused, 18,000-lb. lots or more, works. lb. .19 • —
tanks, works lb. .17 • —
Sodium metanilate, bbls., frt. alld. lb. .23 • —
Sodium metasilicate, anhyd., bgs., c.l., works 100 lbs. 5.70 • —
bgs., 6,000-19,900 lb. lots, works. 100 lbs. 6.05 • —
dms., c.l., works 100 lbs. 6.20 • —
dms., l.c.l., works 100 lbs. 6.55 • —
Sodium metasilicate pentahydrate, bgs., c.l., works 100 lbs. 4.45 • —
bgs., l.c.l., works 100 lbs. 4.80 • 6.75
dms., c.l., works 100 lbs. 4.95 • —
dms., l.c.l., works 100 lbs. 5.30 • 7.25
Sodium molybdate anhyd., dms., works, f.t. equald lb. .92 • .96
Cryst. dms., works, frt alld lb. .73 • .74
Sodium monoglutamate (see Monosodium glutamate)
Sodium monohydrate (see Sodium carbonate monohydrated)
Sodium naphthionate bbls lb. .70 • —
Sodium nitrate dom., crude, bgs., c.l. works ton.48.75 • —
bulk, c.l., works ton.45.25 • —
Sodium nitrate, imp., 100-lb. bags., c.l., Atl., Gulf, Pac., whse. ton.49.75 • —
bulk, c.l., same basis ton.46.25 • —
Sodium nitrite, USP, bbls., c.l., works, frt. equald 100 lbs. 9.00 • —
bbls., l.c.l., same basis 100 lbs.11.00 • —
Sodium orthosilicate, conc., dms., c.l., works 100 lbs. 6.70 • —
dms., l.c.l., works 100 lbs. 7.05 • 7.65
Sodium orthosilicate, hydrated, flake, bbls., c.l., works. 100 lbs. 5.65 • —
bbls., l.c.l., works 100 lbs. 7.60 • 7.90
Sodium oxalate, 98% bgs., works. 100 lbs.12.35 • —
Sodium para-aminobenzoate (see Sodium p-aminobenzoate)
Sodium para-aminosalicylate (see Sodium p-aminosalicylate)
Sodium pentachlorophenate, briquets, bgs. c.l. works, frt. equald lb. .26 • —
bgs., l.c.l., same basis lb. .27½- .34
Pellets, bgs., c.l., same basis lb. .26 • —
bgs. l.c.l., same basis lb. .27½- .34
Sodium pentachlorophenate, powd., bgs., dms., c.l., same basis lb. .25 • —
bgs. dms. l.c.l. same basis lb .26½- .33
Sodium pentachlorophenate, 20,000 lbs., min truckloads, ¼c per lb over carlot prices.
Sodium pentobarbital, USP, dms., 100 lbs. or more lb. 6.00 • —
Sodium perborate, NF, tech., bgs., c.l. works lb. .19 • —
bgs., l.c.l., works lb. .21 • —
Sodium peroxide dms c.l., t.l. dlvd. E of Miss lb. .20½- —
dms. l.c.l. same basis lb. .21 • .21½
Sodium phenobarbital, USP, 100-lb. dms lb. 3.75 • —
Sodium phenolsulfonate, USP (X, gran., dms lb. .50 • .51
NF, powd., dms. lb. .53 • .54
Sodium phosphate, dibasic, anhyd., bgs., c.l. frt equald. 100 lbs. 7.95 • —
bgs., l.c.l., same basis 100 lbs. 8.35 • 9.40
Dibasic, duohydrate, bgs., c.l., frt. equald 100 lbs. 7.60 • —
bgs., l.c.l., same basis 100 lbs. 8.10 • —
Sodium phosphate, dibasic, USP, dried, powd., bgs., dms., works lb. .19 • .20½
Sodium phosphate, monobasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 9.00 • —
bgs., l.c.l., same basis 100 lbs. 9.40 -10.00
Sodium phosphate, tribasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 9.05 • —
bgs. l.c.l. frt equald. 100 lbs. 9.45 -10.05
Cryst., bgs., c.l., t.l., frt. equald. 100 lbs. 4.60 • —
bgs., l.c.l., frt. equald 100 lbs. 5.00 • 5.75
Sodium phosphate in dms. 60c to 80c higher than bgs
Sodium prussiate, yellow (see Sodium ferrocyanide)
Sodium pyrophosphate, acid, bgs., c.l. works frt equald. 100 lbs.11.10 • —
bgs., l.c.l., same basis 100 lbs.11.85 -12.35
Sodium pyrophosphate ferric, dms., c.l., t.l., works lb. .36 • —
dms., l.c.l. works lb. .37 • .39
Sodium pyrophosphate tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.81 • —
bgs., l.c.l., same basis 100 lbs. 9.21 • 9.71
Sodium salicylate, USP, dms., 1,000-lbs. or more lb. .78½- —
dms., less than 1,000 lbs., dms. lb. .81½- —
Sodium sesquicarbonate, bgs., c.l., works 100 lbs 2.35 • —
bgs l.c.l. dlvd zone 1 100 lbs 4.10 4.35
dlvd. zone 2 100 lbs. 4.35 • 4.60
dlvd zone 3 100 lbs 4.75 4.90
dlvd Zone 4 100 lbs 5.35 5.60

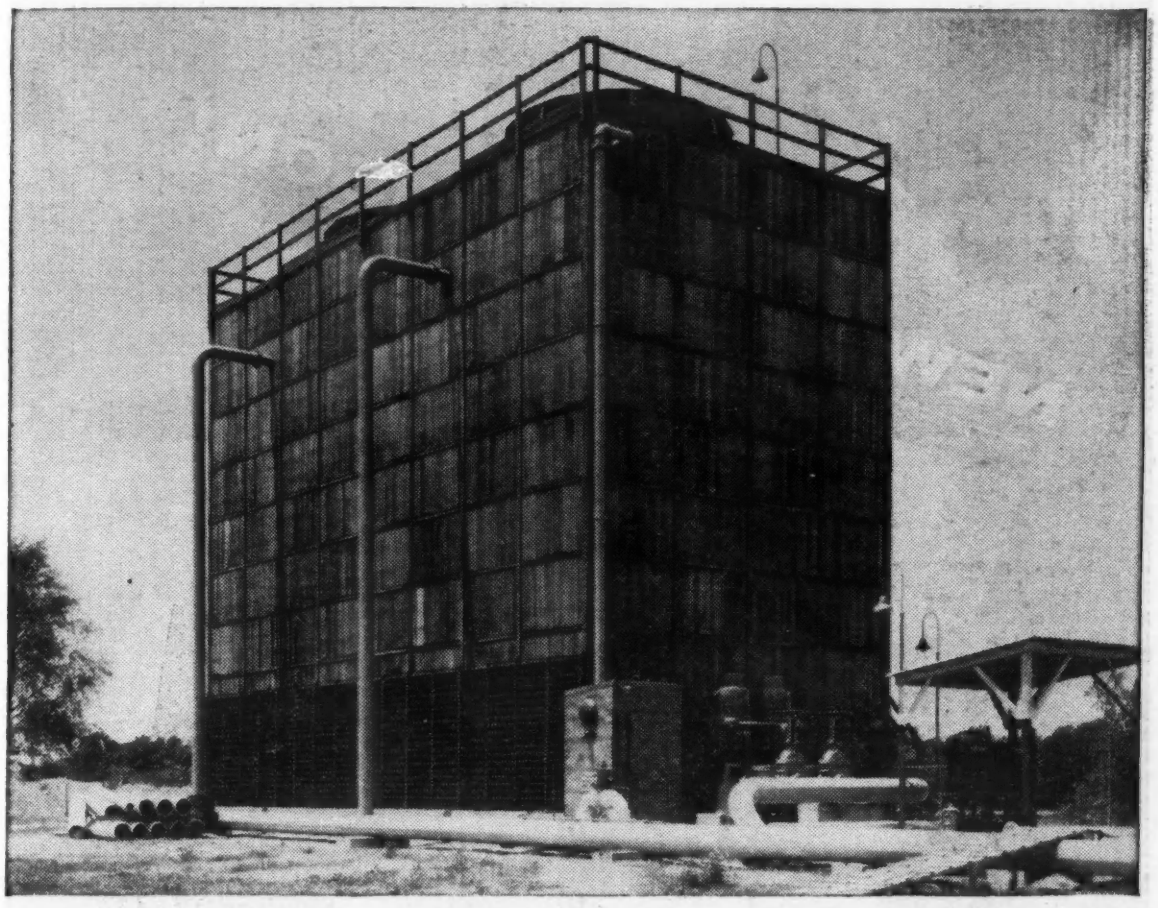
Sales zones are: (1) All states E. of Miss., R and N of south bound of Ky and Va., Ala., La. and Miss., south of 31° Tex E of 100°; S of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St Louis; (2) Ark E. of 98° Ga.; Iowa (except Davenport), Minn. Mo. (except St Louis) Neb E. of 98° N C., S C., Tenn and Tex. N of 31 and E. of 100° (except Wichita Falls); also Ala. La and Miss. No of 31°; (3) Ark W of 96°, Kan., Neb W. of 98° N D., Okla., S D Tex. W of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah Wyo and El Paso Tex

Sodium sesquisilicate, anhyd., bgs., c.l., t.l., works 100 lbs. 5.70 • —
dms., c.l., t.l., works 100 lbs. 6.20 • —
hydrated, bgs., c.l., works 100 lbs. 5.00 • —
bgs., 6,000-19,900 lb lots, works. 100 lbs. 5.35 • —
dms., c.l., works 100 lbs. 5.50 • —
dms., 6,000-19,900 lb lots, works. 100 lbs. 5.85 • —
Sodium silicate, liq., 40° Be, turbid, 1:3.2, dms. c.l., works. 100 lbs 1.55 —
dms. l.c.l. works 100 lbs 1.90 2.40
tanks. works 100 lbs 1.20 —
47° Be, turbid, 1:2.9, dms., c.l., works 100 lbs. 2.25 • —
dms., l.c.l., works 100 lbs. 2.60 • 3.45
tanks. works 100 lbs. 1.90 • —
52° Be. turbid. 1:2.4, dms., c.l., works 100 lbs 2.65 • —
Sodium silicate, liq., dms., l.c.l., works 100 lbs. 3.00 • 3.50
tanks, works 100 lbs 2.30 • —
Solid, 1:3.2, bgs., works ton.67.50 • —

Sodium silicofluoride, bgs., c.l., works lb. .065 • —
bgs., l.c.l., works lb. .069 • —
Sodium silicofluoride in dms., 0.4c per lb. higher.
Sodium stannate, dms., works, frt. alld. E lb. .609 • .668
Sodium sulfa drugs (see Sulfa name).
Sodium sulfanilate, bbls., works lb. .23 • —
Sodium sulfate, NF VII, dried, powd., dms lb. .22½- —
Sodium sulfate, tech., anhyd., bgs., c.l., dlvd. E. ton.54.00 • —
detergent, rayon grade, bgs., c.l., works ton.36.00 • —
bulk, c.l., works ton.32.00 • —
USP, cryst., fib. dms lb. .17½- .18
gran., fib. dms lb. .17½- .18
Sodium sulfhydrate, flake, 70-72%, dms., c.l., works, frt. equald. lb. .07¼- —
dms., l.c.l., same basis lb. .08¼- —
Liq., 40-44%, tanks, works, 100% basis ton.130.00 • —
Sodium sulfide, flake, dms., c.l., works, E., frt. equald lb. .06 • —
dms., l.c.l., same basis lb. .07 • —
Fused, bbls., c.l., works, E., frt. equald lb. .05½- —
bbls., l.c.l., same basis lb. .06½- —
Sodium sulfite, anhyd., bgs., c.l. works 100 lbs. 7.55 • —
bgs., l.c.l. same basis 100 lbs. 7.95 • —
Tech., bgs. c.l., works 100 lbs. 3.50 • —
bgs. l.l., same basis 100 lbs. 4.00 • —
Sodium sulfocyanide, CP (see Sodium thiocyanate)
Sodium tetraborate (see Borax).
Sodium tetrasulfide, liq., 40%, dms., c.l. works, frt. equald. lb. .04½- —
dms., l.c.l., same basis lb. .05½- —
Sodium thiocyanate, CP, dms. lb. .55 • .65
Tech., anhyd., dms., 1 ton lots or more, works lb. .317 • —
dms., less than ton lots, works lb. .337 • —

Sodium thiosulfate, NF, cryst., bbls. lb. .13¼- —
Sodium thiosulfate, tech. (see Sodium hyposulfite).
Sodium titanate, ctns., c.l., works. lb. .14¼- —
ctns., 5-ton lots, works lb. .14½- —
ctns., 1-ton or less, works lb. .14¾- —
Sodium trichloroacetate, 90%, 100-lb. dms., c.l., frt. alld E. lb. .37½- —
100-lb. dms., l.c.l., frt. adjusted, E lb. .39½- —
50-lb. dms., c.l., frt. alld. E lb. .38 • —
50-lb. dms., l.c.l., frt. adjusted, E lb. .40 • —
10-lb. cns., c.l., frt. alld E lb. .44 • —
10-lb. cns., l.c.l., frt. adjusted, E lb. .46 • —
Prices on Sodium trichloroacetate W of the Rockies are 1¾c. per pound higher.
Sodium tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 8.16 • —
bgs., l.c.l., same basis 100 lbs. 8.56 • 9.06
Sodium trisilicate, powd., 1:3.2, bgs., c.l., works 100 lbs. 8.85 • —
bgs., t.c.l., works 100 lbs. 9.70 -10.10
dms., c.l., works 100 lbs. 9.45 • —
dms., l.c.l., works 100 lbs.10.20 -10.60
Sodium tungstate, tech., kgs., dlvd. E lb. 1.18 Nom.
Sodium-ammonium phosphate, purif., cryst., dms., works lb. .52 • —
Sodium-carboxymethyl cellulose (see CMC).
Sodium-cinchophen (see Cinchophen-sodium).

Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd lb. .21 • —
dms., t.c.l., same basis lb. .21½- —
Sodium-zirconyl sulfate, fib. dms., 1,000-lb. lots or more works lb. .28 • —
fib. dms., smaller lots, same basis lb. .30 • —
Solvent naphtha, coaltar, high flash, tanks, frt. equald gal. .31 • .35
Solvent naphtha, petroleum, aromatic 312°-365°F. b.r., 17.2°C. m.a.p. tanks, New Jersey gal. .345 • —
315°-350°F b.r., 17.2°C. m.a.p., tanks, Texas City gal. .35 • —
322°-351°F. b.r., 15°C. m.a.p., tanks, Baytown, Texas. gal. .32 • —
324°-349°F b.r. 19°C. m.a.p., tanks, Houston gal. .33 • —
334°-392°F. b.r., 19°c. m.a.p., tanks, Philadelphia gal. .25 • —
365°-404°F b.r. 19°C. m.a.p., tanks, New Jersey gal. .43 • —
367°-421°F b.r. 20°C. m.a.p., tanks, Baytown. Texas. gal. .33 • —
Solvent naphtha, petroleum, partial aromatic, 205°-262°F b.r., 38°C. m.a.p., tanks, New Jersey gal. .24 • —
211°-277°F. b.r., 25.6°C. m.a.p., tanks, New York, New Jersey gal. .28 • —
213°-293°F. b.r., 28°C. m.a.p., tanks, Philadelphia gal. .24 • —
224°-280°F. b.r., 48°C. m.a.p., tanks, Houston gal. .215 • —
266°-374°F b.r. 28°C. m.a.p., tanks, Philadelphia gal. .27 • —



HOW TO FIGHT CORROSION IN COOLING TOWERS

The sure way to prevent corrosion of metal in cooling towers is to add Mutual Sodium Bichromate or Sodium Chromate to the cooling water. Whether used alone or in combination with other chemicals, chromates form a thin, protective film which combats corrosion due to anodic action, as well as making waters non-corrosive.

Wooden cooling towers will resist rot and insect damage if built with chromate-treated lumber. Existing towers built of untreated lumber can be protected by first spraying with copper sulfate solution, then with a sodium chromate solution.

Our Technical Service Staff will be pleased to assist you in solving corrosion problems in cooling towers. Delivery of Mutual Chromates is rapid, reliable. Write or phone today for this expert service, and for the informative bulletins listed below.

Mutual chromium chemicals

Sodium Bichromate
Sodium Chromate
Chromic Acid
Potassium Bichromate
Potassium Chromate
Ammonium Bichromate
Koreon (one-bath chrome tan)

SOLVAY PROCESS DIVISION
61 Broadway, New York 6, N. Y.

Allied Chemical

MUTUAL chromium chemicals are available through dealers and SOLVAY branch offices located in major centers from coast to coast.

Solvay Process Division
Dept. 3, 61 Broadway, New York 6, N. Y.

Please send:
☐ Bulletin 55—Corrosion Inhibition with Chromates in the Oil and Gas Industries.
☐ Bulletin 53—Corrosion Inhibitors in Recirculating Water Systems.
☐ Bulletin 35—Corrosion Control in Air Conditioning.

NAME _____ TITLE _____
COMPANY _____
STREET _____
CITY _____ ZONE _____ STATE _____

Solvent Naphtha—Sulfuric Acid

Solvent naphtha, petroleum, partial aromatic, 282°-325°F. b.r., 41.6°C. m.a.p. tanks, Houston gal. .25 - —
284°-383°F. b.r., 35°C m.a.p., tanks, Philadelphia gal. .27 - —
352°-413°F b.r. 36°C m.a.p., tanks, Houston gal. .33 - —
358°-401°F. b.r., 24.4°C. m.a.p., tanks, New Jersey gal. .38 - —

Sorbitan monostearate, fib dms., 20,000-lb lots, works lb. .32 - —
fib. dms. 10,000 to 20,000-lb. lots, works lb. .34 - —
fib. dms., smaller lots, works lb. .37 - .39

Sorbitan tristearate, fib dms., 20,000-lb lots, works lb. .33 - —
fib. dms., 10,000 to 20,000-lb. lots, works lb. .35 - —
fib. dms., smaller lots, works lb. .38 - .40

Sorbitol, cryst., resin grade, pellets, dms., c.l., works lb. .23 - —
dms., 1 to 5-ton lots, works lb. .25 - .26
Powd., dms., c.l., works lb. .36 - —
dms., 1 to 5-ton lots, works, lb. .38 - .39

Sorbitol, soln., coml., aqueous, dms., c.l., works lb. .24¼ - —
dms., ton lots, works lb. .25 - —
dms., smaller lots, works lb. .25¼ - —
tanks, works lb. .23¼ - —

NF, reg., 70% aqueous, dms., c.l., works lb. .16 - —
dms., ton lots, works lb. .16¾ - —
dms., smaller lots works lb. .17 - —
tanks, works lb. .15 - —

Soya protein, chemically isolated, old process, bgs., c.l., works. lb. .23 - —
bgs., l.c.l., works lb. .23½ - —
Chemically isolated, new process, bgs., c.l., works lb. .19 - —
bgs., l.c.l., works lb. .19½ - —

Soybean meal, 44% bulk, Decatur. ton 54.00 -54.50

Soybean oil, crude, tanks, Decatur. lb. .10⅝ - —
Foots, soapstock, acid 95%, tanks, N. Y. lb. .05¾ - —
Refd., alkali, dms. lb. .1528- .1553
tanks lb. .1328- —
clarified, dms. lb. .1478- .1503
tanks lb. .1278- —
salad, dms. lb. .15⅝- .15⅝
tanks lb. .13⅜- —

Soybean oil acids, dbl. dist., dms. lb. .19 - .21½
tanks lb. .16½ - —
Single-distilled, dms. lb. .17¾ - .20¼
tanks lb. .15¼ - —

Soybean pitch, dms., works lb. .05 - .05¼
Sparteine sulfate, cns. oz. .80 - .90
Spearmint leaves, dom., bls. lb. .75 - —
Spearmint oil, NF, dms. lb. 3.65 - 3.95
Sperm oil, bleached, winter, 45°, dms. lb. .1725- .1750
tanks lb. .1550- —
Nat., winter, 45°, dms. lb. .1625- .1650
tanks lb. .1450- —

Spermaceti wax, blocks, cs. lb. .31 - .34
Cakes, cs. lb. .33 - .34

Spruce extract, liq., reg. tanks, works lb. .01¾- —
Powd., super, bgs., c.l., works. lb. .05¼- —
bgs., l.c.l., works lb. .05½- —
Spruce oil, cns., dms. lb. 2.10 - 3.55
Squill, white, bls. lb. .16 - .18
White, powd., bbls., bxs. lb. .17 - .20
St John's bread, edible, bls. lb. .14 - .16
Stannic chloride, anhyd., dms., works lb. .767 - .777
Stannic oxide, dms., dlvd lb. 1.02 - 1.03
Stannous chloride, anhyd., dms., works lb. .965 - 1.439
Stannous chloride, hydrous, cryst., dms., works lb. .83½- .84½
Stannous sulfate, dms., works lb. 1.021 - 1.041
Starch, corn pearl paper bgs., c.l. 100 lbs. 7.38 - —
paper bgs., l.c.l. 100 lbs. 7.53 - —
Powd., paper bgs, c.l. 100 lbs. 7.50 - —
paper bgs., l.c.l. 100 lbs. 7.65 - —
Prices for corn starch in cotton bags, 15c. per 100 lbs. higher.
Starch, potato, dom., idaho, bgs., c.l., works lb. .0635- —
Maine, bgs., c.l., works lb. .06½- —
bgs., l.c.l., ex whse, New York, lb. .08¾ - .10
Starch, rice, bgs., ex whse lb. .14 - .15
Starch, wheat, bgs. lb. .08½ - .09
Star root (see Helonias root).
Stargrass root (see Aletris root).
Stavesacre seed, bgs. lb. .60 - .81
Stearic acid, dbl. pressed, bgs. lb. .16 - .18½
Single-pressed, bgs. lb. .15½ - .18
Triple-pressed, bgs. lb. .18¼ - .20¼
Stearine, oleo (see Oleostearine).
Stoddard solvent, petroleum, tanks, east coast, New Jersey, New York gal. .18 - —
tanks, western Pennsylvania, gal. .16 - —
tanks, group 3 gal. .13375- —

Stoddard solvent, petroleum, tank-wagon, Boston gal. .20 - —
Chicago gal. .209 - —
Cleveland gal. .23¼ - —
Los Angeles, ex tax gal. .199 - —
Newark gal. .19 - —
New York gal. .19 - —
Philadelphia gal. .19½ - —
Pittsburgh gal. .19 - —

Stramonium leaves, bgs. lb. .18 .20
Streptomycin hydrochloride, bulk, gram. .0850- .0875
Streptomycin sulfate, bulk gram. .0850- .0875
Strontium bromide, NF, cryst., 150-lb. fib. dms lb. .84 - —
Strontium carbonate, pure, dms., 5-ton lots or more, works. lb. .35 - —
dms., 1-ton lots, works lb. .37 - —
Tech., dms., works lb. .19 - —
Strontium chromate, fib, dms., works. lb. .49 - —
Strontium iodide, fara, 25-lb. lots. lb. 3.57 - —
Strontium nitrate, bgs., c.l., works 100 lbs. 11.00 - —
bgs., l.c.l., works 100 lbs. 12.00 - —
Strontium salicylate, NF, dms lb 1 88 - —
Strontium sulfate, air floated, 90% 325 mesh, bgs., works ton 56 70 -66 15
Strophanthin G (see Ouabain, USP)
Strophanthin K, bots oz. 25.00 -35.50
Strophanthus seed, Kombi, biologically tested, bgs lb 3.50 3.75
Styrax, USP, cs lb. 2.50 - 2.75
Styrene monomer, polymer grade, 99.6% dms, c.l., frt. alld. lb. .17 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .14½ - —
Styrene monomer, tech., 99.2%, tanks, bulk lb. .1260- —
dms., c.l., t.l., same basis lb. .1510- —
dms., l.c.l., same basis lb. .1710- —

Above prices are escalated for each calendar quarter on the basis of cost of crude oil at the well, cost of petroleum refining labor, and prices in the three major sections of the Wholesale Commodity Price Index

Styrolyl acetate, bots lb. 1.25 1.45
Succinic acid, purif., cryst., bbls., works lb. .62 .73
Sucrose, refd., white, bgs., refy. E. lb. .0885- —
Sucrose octa-acetate, denaturing grade, 100-200-lbs., bgs., l.c.l., works lb. .84 - —
Sugar (see Sucrose)
Sugar cane wax, dom., refd., slabs, 80-lb. ctns., works lb. .65 - .75
80-lb ctns., spot lb. .67¼ - 72¼
Sulfabenzamide, dms kilo. 8.80 9 90
Sulfabenzamide-sodium, dms kilo 9.00 -10.10
Sulfacetamide, USP, fib, dms kilo. 7 70 8.80
Sulfacetamide-sodium, USP, fib. dms kilo. 8.15 9.25
Sulfadiazine, USP, microcrystals, dms kilo. 23.35 -24.45
USP, powd., dms kilo. 22.60 -23 70
Sulfadiazine-sodium, USP, dms. kilo. 24.80 -25.90
Sulfaguanidine, NF X, dms kilo 5.50 6.60
Sulfamerazine, USP, microcrystals, dms kilo. 23.50 -24.60
Sulfamerazine-sodium, USP, powd., dms kilo. 24.80 -25 90
Sulfamethazine, microcrystals, USP XV, dms kilo. 19.65 -20.75
Powd., dms kilo. 18 75 -19.85
Sulfamic acid, cryst., dms., c.l., t.l., works 100 lbs. 16.00 —
dms., l.c.l., t.l., works 100 lbs. 17 50 -18.50
100 lbs. or more lb. 6.00 - —
gran., dms., c.l., t.l., works. 100 lbs. 14.75 - —
dms., l.c.l., t.l., works 100 lbs. 16.25 -17.25
Sulfanilamide, NF X, 30-80 mesh, dms kilo 3.05 3.50
NF X, microcrystals, dms kilo 3.79 - 4.20
NF X, powd., dms kilo 2.85 - 3.30
Sulfanilamide quinoxaline, veterinary, dms kilo. 14.12 -14.85
Sulfanilic acid, tech., dms, c.l., frt. alld lb. .21 - —
dms., l.c.l., frt. alld lb. .23 - —
Sulfapyridine, USP XV, powd., bots., tins kilo. 15.45 -16.55
Sulfapyridine-sodium, monohydrate, dms kilo. 16.55 -17.65
Sulfathiazole, NF X, powd., dms. kilo 5.50 5.85
microcrystals, dms. kilo. 6.25 - 6.60
Sulfathiazole-sodium, NF X, dms. kilo 6.05 6.40
Sulfur, coml., flour, bgs., mines. 100 lbs. 2.45 - —
bbls., mines 100 lbs. 3.30 - —
Coml., lump, bgs., mines 100 lbs. 2.35 - —
bbls., mines 100 lbs. 2.90 - —
Sulfur, coml., crude, dom., bright, bulk, f.o.b. cars, mines. long-ton. 23.50 - —
Export, f.o.b. vessels Gulf ports long-ton. 25.00 - —
US and Canada, f.o.b. vessels Gulf ports, long-ton. 25.00 - —
Domestic dark sulfur prices are $1 per long-ton lower.
Sulfur, crude, bulk, imp., Mexican, filtered, f.o.b. vessel, Coatzacoalcos long-ton. 24.00 - —
Mexican dark sulfur price is $1 per long ton lower
Sulfur, refd., flowers, NF, bgs., mines 100 lbs. 5.15 - —
bbls., mines 100 lbs. 6.50 - —
Sulfur, refd., flour, light, bgs., mines 100 lbs. 4.75 - —
bbls., mines 100 lbs. 5.75 - —
lump, bgs., mines 100 lbs. 4.45 - —
rolls, bgs., mines 100 lbs. 5.00 - —
bbls., mines 100 lbs. 5.75 - —
Sulfur, refd., salt block, bgs., mines. 100 lbs. 4.65 - —
virgin block, bbls., mines. 100 lbs. 4.70 - —
Sulfur, rubbermakers coml., reg., bgs., mines 100 lbs. 2.85 - —
bbls., mines 100 lbs 3.80 - —
Sulfur, rubbermakers, 98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.65 - —
bbls., mines 100 lbs. 3.90 - —
Sulfur, rubbermakers, refd., bgs., mines 100 lbs. 4.40 - —
bbls., mines 100 lbs. 5.55 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.85 - —
bbls., mines 100 lbs. 4.10 - —
Sulfur dichloride, ref. dms., c.l., works, frt. equald lb. .04¼- —
ref. dms., l.c.l., same basis lb. .05¼- —
tanks, same basis lb. .04 - —
Sulfur dioxide, liq., coml., cyls., works, frt. equald lb. .10 - .12
multi-unit cars, works lb. .0535- —
tanks, works lb. .045 - —
Refrigeration, 150-lb. cyls., dlvd, lb. .33 - —
Sulfur monochloride, 55-gal. non-ret, dms., c.l., frt equald lb. .04¼- —
dms., l.c.l., same basis lb. .05¼- —
tanks, same basis lb. .04 - —
Sulfuric acid, 60° Be, cbys., c.l., works 100 lbs. 2.00 - —
cbys., l.c.l., works 100 lbs. 2.30 - —
tanks, works ton. 18 60 - —
66° Be, cbys., c.l., works 100 lbs. 2.25 - —
cbys., l.c.l., works 100 lbs 2.55 - 3.35
tanks, works ton. 22.35 - —
98%, tanks, works ton. 23 50 - —
98-100%, tanks, works ton. 23.95 - —

How to select, apply and disperse the 11 members of the Syloid family

New 12-page booklet tells what specific industrial applications each Syloid answers—and why!

What are the Syloids? What are their important typical chemical-physical characteristics? What are their individual properties? What Syloids should be used to create a flat finish? . . . in anti-blocking? . . . to thicken a liquid? . . . to remove moisture? . . . in adhesive formulations? . . . for insulation? What mixing techniques should be used for Syloid in a liquid, in a dry powder?

You'll find the answers to these and other questions in the just-off-the-press booklet, "The Davison Family of SYLOID SILICAS." We're sure you'll find it of great assistance in your everyday work. For your copy, just write to us on company letterhead.

DAVISON
CHEMICAL COMPANY
Division of W. R. Grace & Co.
Baltimore 3, Maryland

Sulfuric acid, CP, NF, consumers' cbys, c.l., frt. equald	lb.	.12¾	—
consumers' cbys., l.c.l., same basis	lb.	.14¼	.14¾
5-pt. bots. extra, cs., c.l., works, frt. alld.	lb.	.16¼	—
5-pt. bots. extra, cs., l.c.l., same basis	lb.	.17¾	.18¾
Sulfuric acid, fuming (oleum), 20%, tanks, works	ton.	25.00	—
40%, tanks, works	ton.	29.00	—
65%, tanks, works	ton.	39.50	—
Sumac leaves, 28% tannin, bgs., ex dock	ton.	205.00	Nom.
28% tannin, grd., bgs., ex dock	ton.	200.00	Nom.
Superphosphate, run-of-pile under 22% a.p.a., pulv., bulk., c.l., Baltimore unit-ton.		.90	.93
bulk, c.l. Carteret, N. J. unit-ton.		.90	.93
Superphosphate, triple, 48% or more a.p.a., pulv., bulk, c.l., East Tampa, Fla unit-ton.		.98	—
Sweet birch oil USP, northern, cns	lb.	4.25	9.50
USP, southern, cns	lb.	2.10	3.05

T

2,4,5-T, dms., c.l., works, frt. equald.	lb.	1.18	—
dms., l.c.l., same basis	lb.	1.25	—
2,4,5-T isopropyl ester, dms., c.l., works, frt. equald	lb.	1.24	—
dms., l.c.l., works	lb.	1.29	—
Talc, dom., fibrous, New York, grd., bgs., c.l., works	ton.	28.00	—
bgs., l.c.l., works	ton.	31.00	36.00
Dom., fibrous, New York, 99.5%, 325 mesh bgs. c.l. works.	ton.	31.00	—
bgs., l.c.l., works	ton.	34.00	—
99.95% micronized, bgs., works.	ton.	38.00	—
Dom., ord. Calif., grad., bgs., c.l., works	ton.	34.00	39.50
ord., Vermont, off-color, grd., bgs., c.l., works	ton.	19.40	—
bgs., l.c.l., works	ton.	37.00	—
Imp., Canadian, grd., bgs., c.l., mines	ton.	20.00	35.00
Tall oil, crude, dms., c.l., works	lb.	.04¼	.04½
tanks, works	lb.	.02¾	.03
Dist., dms., c.l., works	lb.	.07¾	—
dms., l.c.l., works	lb.	.08	.08½
tanks, works	lb.	.06	.06½
Refd., dms., c.l., works	lb.	.06¾	—
dms., l.c.l., works	lb.	.07	.07½
tanks, works	lb.	.05½	.06
Tall oil acids, cms. c.l., works	lb.	.10½	.12
dms., l.c.l.	lb.	.11	.12½
tanks, works	lb.	.08½	.10
Tall pitch, dms. c.l., works	ton.	50.00	70.00
tanks, works	ton.	40.00	—
Tallow, edible, tanks, dlvd.	lb.	.11½	.11¾
inedible, fancy, bleachable, tanks, dlvd	lb.	.08¼	—
fancy, guaranteed, dms., f.a.s.	lb.	.09⅝	.09½
No. 1, tanks, dlvd.	lb.	.07½	—
prime, tanks, dlvd.	lb.	.06	—
special, tanks, dlvd.	lb.	.07¾	.07⅞
sulfonated, 25%, bbls., l.c.l.	lb.	.08¾	.09¼
50%, bbls., l.c.l.	lb.	.10	.10½
Tallow acids, dist., dms.	lb.	.13½	.16
tanks	lb.	.11	—
Hydrogenated, dms.	lb.	.15½	.18
Tallow oil, acidless, cms., c.l.	lb.	.14½	—
cms. l.c.l.	lb.	.15½	.17
Tangerine oil, Floridian, dms.	lb.	2.95	3.50
Tankage, animal, feeding, 9-11% ammonia, New York, bulk, unit-ton.		6.50	—
Animal, feeding, 9-11% ammonia, Chicago, bulk unit-ton.		7.50	—
Tannic acid, NF fluffy bbls. 1,000-lb lots	lb.	2.05	—
bbls., smaller lots	lb.	2.06	2.10
Powd., bbls., 1,000-lb. lots	lb.	1.95	—
bbls., smaller lots	lb.	1.96	2.01
Tech., dms.	lb.	1.05	—
Tansy oil, dms.	lb.	7.50	9.50
Tapioca flour, Brazilian, bgs., ex whse	lb.	.10½	.11½
Siamese, first quality same basis.	lb.	.07	.07½
Tar acid oil, 15-18%, dms., c.l., frt. equald	gal.	.53½	—
dms., l.c.l., same basis	gal.	.55½	—
tanks, same basis	gal.	.43½	—
Tar acid oil, 25-28%, dms., c.l., same basis	gal.	.60	—
dms., l.c.l., same basis	gal.	.62	—
tanks, same basis	gal.	.50	—
50-53%, dms., c.l., same basis	gal.	.75	—
dms., l.c.l., same basis	gal.	.77	—
tanks, same basis	gal.	.65	—
Tar, coal (see Coaltar).			
Tartar emetic (see Antimony potassium tartrate).			
Tartaric acid, dom., NF, 230 or 250-lb dms., c.l	lb.	.49	—
230 or 250-lb. dms., 10,000-lb. lots, 1 shipt	lb.	.49½	—
230 or 250 lb. dms., smaller lots	lb.	.50	—
100-lb. dms.	lb.	.51	—
Imp., NF, dms., bgs.	lb.	.40	.44
Terpine hydrate, NF, cryst., powd., 100-lb fib. dms	lb.	.70	—
Terpineol, prime, dms.	lb.	.30	.45
Extra, dms.	lb.	.41	.70
Terpinyl acetate, extra, cns., dms.	lb.	.64	.75
Prime, dms.	lb.	.53	.56
Terpinyl propionate dms.	lb.	1.75	3.00
Terra alba (see Gypsum).			
Testosterone, USP, bots.	gram.	No prices	
Testosterone proprionate, USP	gram.	No prices	
Tetrachloroethane, dms., works	lb.	.14½	—
Tetrasodium pyrophosphate (see Sodium pyrophosphate).			
Tetrachloroethylene, tech. (see Perchloroethylene).			
Tetrachloroethylene USP, 55-gal. dms., c.l., t.l., works	lb.	.20½	—
dms., l.c.l., works	lb.	.22	.23½
Tetraethyl orthosilicate, dms., c.l., dlvd. E	lb.	.60	—
dms., l.c.l., dlvd. E	lb.	.61	—
Tetraethyl pyrophosphate, 40%, cns., dms., frt. equald	lb.	.75	—
Tetraethylenepentamine, cms., c.l., dlvd. E	lb.	.53½	—
dms., l.c.l., dlvd. E	lb.	.54½	—
tanks, dlvd. E	lb.	.51	—
Tetrahydrofuran, dms., c.l., t.l., works	lb.	.36½	—
dms., l.c.l., or l.t.l., works	lb.	.37	—
tanks, works	lb.	.35	—
Tetrahydrofurfuryl alcohol, dms., c.l., t.l., Memphis, Tenn.	lb.	.34½	—
dms., l.c.l., l.t.l., Memphis, Tenn.	lb.	.35½	—
dms., c.l., t.l., Newark, N. J	lb.	.36½	—
dms., l.c.l., l.t.l., Newark, N. J.	lb.	.37½	—
tanks, dlvd. E. of Denver	lb.	.34	—
tanks, dlvd. W of Denver	lb.	.35	—
Tetrapotassium phosphate (see Potassium phosphate)			
Thallium metal, dlvd.	lb.	7.50	10.00
Thallium sulfate, 99%, bots., dlvd.	lb.	5.00	10.00
Theobromine, NF, fib. dms.	lb.	4.90	—
Theobromine and sodium acetate, USP, fib. dms	lb.	4.75	—
Theobromine sodio-salicylate, NF, fib. dms	lb.	3.90	—
Theophylline, anhyd., or USP, 100-lb. dms	lb.	3.65	—
Thiamin hydrochloride, USP, reg., fib. dms	kilo.	40.00	—
USP, ampule grade, fib. dms.	kilo.	42.00	—
Thiamin mononitrate, USP, fib. dms	kilo.	40.00	—
Thiocarbanilide, dms., ton lots	lb.	.72	—
dms., less ton lots	lb.	.74	—
Thiodiphenylamine (see Phenothiazine).			
Thioflavin green toner, brilliant, molybdated, PMA, kgs., works	lb.	5.20	—
Tungstated, PTMA, kgs., works.	lb.	6.20	—
Thioglycolic acid, refd., cbys., 100% basis	lb.	1.35	1.55
Thiosalicylic acid, purif., dms., 1,000-lb. lots, works	lb.	4.00	—
Thiourea, tech, bgs. t.l. frt. alld.	lb.	.33	—
bgs., l.c.l. frt. alld	lb.	.35	—
Thorium nitrate, purif., fib. dms., 100-lb. lots or more, works	lb.	3.50	—
dl-Threonine, bots., 1-kilo lots.	kilo.	275.00	—
Thyme leaves, French, bgs.	lb.	.34	—
Spanish, bgs.	lb.	.14	—
Thyme oil, NF, red, cns., dms.	lb.	2.10	—
white, cns	lb.	2.20	—
Tech., white, cns	lb.	.40	1.85
Thymol, fib. dms	lb.	2.60	3.00
Thymol iodide, NF, dms.	lb.	7.30	—
Timbo root, (see Cube root).			
Tin chloride (see Stannous chloride, anhyd.).			
Tin crystals (see Stannous chloride, hydrous).			
Tin metal (Straits)	lb.	.95	—
Tin oxide (see Stannic oxide).			
Tin sulfate (see Stannous sulfate).			
Tin tetrachloride anhyd. (see Stannic chloride anhyd.)			
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd.	lb.	.25½	—
bgs., l.c.l., dlvd	lb.	.26½	—
reg., bgs., c.l., dlvd.	lb.	.25½	—
bgs., l.c.l., dlvd	lb.	.26½	—
Anatase, granular, nat., bgs., c.l., f.o.b. Jacksonville, Fla.	ton.	180.00	—
5-ton lots, Niagara Falls, N.Y.	ton.	205.00	—
bgs., ton lots, same basis.	ton.	215.00	—
Milled metallurgical titanium dioxide $7.50 per ton higher.			
Rutile, non-chalking, bgs., c.l., dlvd. E.	lb.	.27½	—
bgs., l.c.l., dlvd. E	lb.	.28½	—
Titanium dioxide-calcium pigment, 30% TiO_2, reg. bgs., c.l., dlvd	lb.	.09¾	—
bgs., l.c.l., works	lb.	.09¾	—
50% TiO_2, high-tinting, dms., c.l., lb.	lb.	.14¾	—
dms., l.c.l.	lb.	.14⅞	—
Titanium hydride, powd., dms., works	lb.	8.10	9.00
Titanium tetrachloride, tech., dms., c.l., works	lb.	.26	—
dms., l.c.l., works	lb.	.27½	.29
tanks, works	lb.	.20	—
Tobias acid, bbls., l.c.l.	lb.	.81	—
d-a-Tocopherols, mixed, NF, conc., pure basis, bots	kilo.	91.00	—
dl-a-Tocopherol, bots	kilo.	134.20	—
d-a-Tocopheryl acetate, NF, conc., pure basis, bots	kilo.	166.00	—
d-a-Tocopheryl acid succinate, cryst. bots	kilo.	148.00	—
dl-a-Tocopheryl acetate, bots	kilo.	122.00	—
25% dry, powd., bots	kilo.	30.50	32.00
o-Tolidine base, dry, kgs., 100% basis	lb.	1.55	—
Paste, kgs., 100% basis	lb.	1.50	—

Toluol

Toluol quotations, both coaltar and petroleum, may now be found under Toluene.

o-Tolidine hydrochloride, paste, kgs., 100% basis	lb.	1.50	—
Tolu balsam, cns	lb.	3.50	5.00
Toluene coaltar indust or nitration, tanks, dlvd. E. of Rockies	gal.	.25	—
Toluene, petroleum, indust., tanks, E. of Rockies	gal.	.25	.33
p-Toluenesulfonamide, powd., dms., works	lb.	.70	—
p-Toluenesulfonic acid, dms., c.l., t.l., works	lb.	.17	—
dms., l.c.l., works	lb.	.18	—

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ALUMINUM TRICHLORIDE—Various mesh sizes in drums of 50 to 600 pounds net, and in bulk. Also in solution.

ANTIMONY CHLORIDES — Both solid and flake (anhydrous) in drums of 25 to 700 pounds net. Liquid pentachloride in drums of 25 to 700 pounds net, in tank trucks and tank cars.

BORON TRICHLORIDE — In low-pressure cylinders of 100 and 1800 pounds net; also in tank cars. 6-pound cylinders for experimental use.

HYDROCHLORIC ACID — Anhydrous HCl available in tube trailers or cylinders from Los Angeles, Calif., and Fort Worth, Texas.

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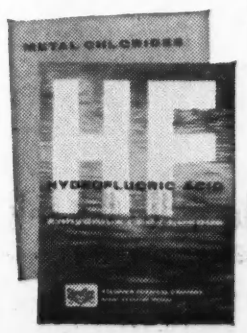
SULFURIC ACID — Commercial grades at concentrations of 77.67% up to 122.5%. Oleum at various strengths from 15 to 65% free SO_3; also liquid SO_3. By pipeline, barges, tank cars and tank trucks from factories at Mobile, Ala.; Los Angeles and Richmond, Calif.; Hammond, Ind.; Baton Rouge, La.; Baytown, Fort Worth and Houston, Tex., and various stock points.

TITANIUM TETRACHLORIDE—Technical and C. P. Tank cars and tank trucks; 10-gallon and 55-gallon drums of 130 and 725 pounds net from Niagara Falls, New York.

TITANIUM TRICHLORIDE (Anhydrous) — Available in 1-, 5- and 55-gallon drums packaged under argon atmosphere f. o. b. Richmond, Calif.



LITERATURE AVAILABLE

METAL CHLORIDES:

Send for copy of a new and authoritative book on Metal Chlorides. There are sections on chlorides of silicon and zirconium in addition to those described above.

HYDROFLUORIC ACID:

16-page brochure with many graphs and tables and a 24-page pocket-size booklet on Safe Handling and Analytical Methods.

p-Toluenesulfonic acid, monohydrate, dms., c.l., or t.l. lb .90 - —
dms., 125 lbs. to t.l. lb 1.00 - —
m-Toluidine, dms., c.l., works, frt. alld lb .79 - —
dms., t.c.l., same basis lb .80 - —
tanks, same basis lb .78 - —
o-Toluidine, dms., c.l., works, frt. alld lb .27 - —
dms., t.c.l., same basis lb .28 - —
tanks, same basis lb .25 - —
p-Toluidine, flake, dms., frt. alld lb .54 - —
Solid, dms., frt. alld lb .50 - —
o-Toluidine-m-sulfonic acid, frt. alld. lb 70 - —
p-Toluidine-m-sulfonic acid, bbls., works lb .92 1.04
Toluidine red toner, deep shades, kgs., works lb 1.70 - —
Light shades, kgs. works lb 1.70 - —
2,4-Tolylenediamine, cryst., fib. dms., t.c.l., frt. alld lb 1.10 - —
Tonka beans, Angostura, cks lb No prices
Brazilian, Surinam, cs lb 1.35 - —
Totaquine 100-oz. tots, ens oz .42 - —
Toxaphene, dms., c.l. t.l., works lb .22 - —
dms., t.c.l. t.l. works lb .23 - —
Tragacanth gum, No. 1, ribbons, cs lb 3.50 - 4.50
No. 2, cs lb 3.40 - —
No. 3, cs lb 3.00 - 3.10
USP, powd., bbls. lb 1.25 - 1.35
Triacetin, dms., c.l., dlvd. E. of Rockies lb .39 - —
dms., t.c.l., same basis lb .40 - —
tanks, same basis lb .37 - —

Triallylamine, dms., c.l., dlvd. lb .985 - —
dms., t.c.l., dlvd. lb .995 - —
tanks, dlvd. lb .96 - —
Tributyl citrate, tech., non-ret, dms., c.l. frt alld E of Denver lb .42½- —
non-ret, dms., t.c.l., frt. alld. E. of Denver lb .43½- —
tanks, frt. alld. E of Denver lb .40 - —
Tributyl phosphate, dms., c.l., works lb .52½- —
dms., t.c.l., same basis lb .53½- —
tanks, same basis lb .50 - —
Tributylamine, dms., c.l., works lb .67½- —
dms., t.c.l., same basis lb .68½- —
tanks, same basis lb .65 - —
Trichloroacetic acid, bots lb 2.00 - 2.50
Trichlorobenzene, dms., c.l., frt. alld. E. lb .15 - —
dms., t.c.l. frt. alld E lb .16 - —
tanks, frt. alld E lb .13½- —
Trichlorobenzene prices in the West 1¾c. higher.
1,1,1-Trichloroethane, dms., c.l., dlvd. lb .13¾- —
dms., t.c.l., dlvd. lb .16¾- —
tanks, dlvd. lb .12¾- —
1,1,2-Trichloroethane, dms., c.l., works lb .13½- —
dms., t.c.l., dlvd. E. lb .14¼- —
tanks, works lb .11½- —
Trichloroethylene, dms., c.l., or t.l., works, frt. equald lb .13 - —
dms., t.c.l., frt. alld lb .15 - .16¼
tanks, works, frt. equald lb .12 - —
Trichlorophenoxyacetic acid (see 2,4,5-T).

Tricholine citrate 63% soln. rpt. ebys. works, frt. adjusted lb 1.49 - 1.68
Tricresyl phosphate, acaltar, dms., c.l., dlvd. lb .32 - —
dms., t.c.l., dlvd. lb .33 - —
tanks, dlvd. lb .22½- —
Petroleum, dms., c.l., dlvd. lb .34½- —
dms., t.c.l., dlvd. lb .35½- —
tanks, dlvd. lb .32½- —
Tridecyl alcohol, mixed isomers, dms., dlvd. lb .26½- —
dms., t.c.l., dlvd. lb .27½- —
Triethanolamine, dms., c.l., dlvd. E. lb .24½- —
dms., t.c.l., same basis lb .25½- —
tanks, same basis lb .23 - —
Triethanolamine lauryl sulfate, dms., c.l., t.l., frt. alld. lb .24 - —
dms., t.c.l., frt. alld. lb .25 - —
tanks, frt. alld. lb .23 - —
Triethylamine, dms., c.l., works, dlvd. E. lb .50 - —
t.c.l., same basis lb .51 - —
tanks, same basis lb .47½- —
Triethyl citrate, refd., tech., non-ret. dms., c.l., frt. alld. E. of Denver lb .46¼- —
non-ret. dms., t.c.l. frt. alld. E. of Denver lb .47¼- —
tanks, frt. alld. E. of Denver lb .43¾- —
Triethyl phosphate, dms., c.l., dlvd. lb .40½- —
dms., t.c.l., dlvd. lb .41½- —
tanks, dlvd. lb .38 - —
Triethylene glycol, dms., c.l., dlvd. E. lb .21 - —
dms., t.c.l., dlvd. E. lb .22 - —
tanks, same basis lb .18¼- —
Triethylenetetramine, dms., c.l., dlvd. E. lb .51½- —
dms., t.c.l., dlvd. E. lb .52½- —
tanks, dlvd. E. lb .49 - —

Tri-isopropanolamine, dms., c.l., dlvd. E. lb .23¼- —
dms., t.c.l., dlvd. E. lb .24¼- —
tanks, dlvd. E. lb .20¼- —
Trimethylamine, anhyd., cyls., l.c.l., frt. equald, 100% basis lb .30 - .35§
tanks, same basis lb .33 - —
35-40% soln., dms., c.l., works, frt. equald, 100% basis lb .33 - —
dms., t.c.l., works, frt. equald., 100% basis lb .33½- —
tanks, works, frt. equald, 100% basis lb .28 - —
Trioxane, pure, dms., c.l., t.l., works. lb .30 - —
dms., t.c.l., works lb .31½- —
Tripentaerythritol, bgs., t.c.l., dlvd. E. lb .33 - —
Triphenyl phosphate, bbls., c.l., frt. equald. lb .41½- —
bbls., t.c.l., frt. equald lb .43½- —
Triphenylguanidine, bbls., works lb .90 - —
tanks, same basis lb .18½- —
Tripropylene glycol, dms., c.l., t.l., frt. alld. E. lb .21 - —
dms., t.c.l., t.t.l., frt. alld E. lb .22 - —
Tripropylene glycol, tankcars and compartmented tankcars, frt. alld. E. lb .18½- —
tankwagons and compartmented tankwagons, 1,000 gals. min. frt. alld E. lb .19 - —
Tripropylene glycol prices 1c. per lb. higher in West.
Trisodium phosphate (see Sodium phosphate tribasic).
dl-Tryptophane, fib. dms., works. lb .53.00 - —
Tung oil, dms., c.l., New York lb .23 - —
dms., t.c.l., New York lb .23¼- .23½
tanks, New York lb .21½- —
tanks, domestic mills lb .21½ Nom.
Tungsten metal, powd., 2.0-2.5 microns, dms., works lb 3.73 - —
Tungstic acid tech. dms., 1,000-lb. lots, works lb 2.15 Nom.
dms., smaller lots, works lb 2.30 Nom.
Turkey red, bbls., works lb .62 - —
Turpentine, gum (see Protective Coatings market, Naval Stores).
Turpentine oil, NF, ens., dms. lb .28 - .30
Tyrothricin, USP, bots. gram .55 - .58
Tuscan red, bbls., frt. equald. lb .28 - .32

U

Ultramarine blue, cobalt type, dry or pulp, 250-lb. bbls., dlvd. E. of Rockies lb .35 - .39½
Ultramarine blue, jobbing types, bbls., same basis lb .19 - —
Regular types, dry bbls., same basis lb .22½- .35
Ultramarine blue prices 1c. higher W. of Rockies.
Umber pigment, burnt, American, bgs., c.l., works lb .07½- .07¾
bgs., t.c.l., works lb .07¾- .08
Burnt, Turkey-type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb .08¼- —
Raw, American, bgs., works lb .07¾- .08¼
Turkey-type, bgs., works lb .08½- .08¾
Undecylenic acid, dms. lb 1.45 - —
Unicorn root, false (see Helonias root).
Unicorn root, true (see Aletris root).
Urea, 46% N, indust., bgs., c.l., t.l., dlvd. E ton 125.00 - —
bgs., t.c.l., dlvd. E., ex whse. ton 145.00 - —
45% N, agricultural, bgs., c.l., (30 tons) dlvd. E ton 110.00 - —
Urea-ammonia liquor A and B grades, N basis, tanks, Belle, W. Va ton 126.00 - —
C grade, tanks, same basis ton 124.50 - —
37 grade, tanks, same basis ton 153.00 - —
Urethane USP, dms., t.l., f.o.b., works lb .65 - —
dms., l.t.l., same basis lb .70 - —
Uva-ursi leaves, bls. lb .17 - .19

V

Valerian root, Belgian, bgs. lb .35 - —
Indian, bgs lb .29 - —
dl-Valine, dms., works lb 21.00 -27.50
Valonia beards, 40-42% tannin, bgs., ex dock ton 88.00 -90.00
Valonia cups, 28-30% tannin, bgs., ex dock ton 66.00 -67.00
Valonia extract, powd., 63% tannin, bgs., ex dock lb .11 - —
Vanadium pentoxide, tech. dms., works lb 1.23 - 1.33
Vandyke brown, bbls., works lb 09½- .12
Vanilla beans, Bourbon, tins lb 9.25 - 9.75
Mexican, cuts, tins lb 9.25 - 9.75
whole, tins lb 9.75 -10.50
Tahiti, cs. lb 7.75 - 8.00
Vanillin, ex lignin, 100-lb. fib. dms., 1,000-lb. lots or more lb 3.00 - —
500 lbs. lots lb 3.10 - —
100 lb. lots lb 3.25 - —
Venetian red, jobbing, bgs., works. lb .0475- —
20%, bgs., works lb .0525- —
25%, bgs., works lb .0575- —
30%, bgs., works lb .06 - —
35%, bgs., works lb .0625- —
40%, bgs., works lb .0675- —
Vetiver oil, Bourbon, ens. lb 13.00 -15.50
Haitian, cs. lb 10.00 -11.50
Java, ens lb 11.75 -12.25
Victoria blue toner, molybdated, PMA, 250-lb. bbls., dlvd. E. of Rockies lb 4.50 - —
Victoria blue toner bbls. prices 1c. higher W. of Rockies.
Vinyl acetate monomer, zone 1, 55-gal. dms., c.l., dlvd lb .20 - —
55-gal. dms., t.c.l., dlvd lb .21 - —
tanks, dlvd lb .17½- —
tanktrucks less than 4,000 gal., dlvd lb .18 - —
Vinyl acetate monomer, zone 2, 55-gal. dms., c.l., dlvd lb .21 - —
55-gal. dms., t.c.l., dlvd lb .24 - —
tanks, dlvd lb .18½- —
tanktrucks less than 4,000 gals., dlvd lb .19 - —
Zone 1 is all continental U. S. except Zone 2. Zone 2 comprises Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Vinyl n-butyl ether, tech., dms., t.c.l., works lb .50 - —
Vinyl chloride monomer, tanks, works lb .11 - .13
Vinyl ether, tech., dms., c.l., works. lb .26 - —
dms., t.c.l., works lb .28 - —
tanks, works lb .25 - —
USP, anesthesia, bots., 50cc. hospitals bot 1.12 - —
USP, anesthesia, bots., 75cc. hospitals bot 1.56 - —
Vinyl ethyl ether, tech., dms., c.l., works lb .29¼- —
dms., t.c.l., works lb .30 - —
tanks, works lb .27½- —

MONTROSE
CHEMICAL COMPANY

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NEWARK, NEW JERSEY

T.C.P.—Tricresyl Phosphate

Mono Cresyl Diphenyl Phosphate

D.D.T.—Dichloro Diphenyl Trichloroethane

Ethyl Silicate 28%—40%

D.D.V.P.—Dimethyl Dichloro Vinyl Phosphate

D.E.T.—Diethyl Toluamide

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Vinyl methyl ether, cyls., works lb. .30 • —

Cylinders are sold outright, or if shipped against deposit, a free period of sixty days is allowed; and if empties are returned prepaid and in good condition within that period full refund is made.

Vinyl propionate, monomer dms., c.l., dlvd lb. .49½- —
dms., l.c.l., same basis lb. .50½- —
tanks, same basis lb .47 • —
Vinyl trichloride (see Trichloroethane).
2-Vinylpyridine, 10 dms. to tanks, works lb. 1.34 • —
1 to 9 dms., works lb. 1.48 • —
tanks, works lb. 1.31 • —
Vinyltoluene, dms., c.l., frt. alld lb. .16 • —
dms., l.c.l., frt. alld lb. .18 • —
tanks, frt. alld lb. .13½- —
Viosterol, in nat. vegetable oil, 1,000,000 D units per gram, bots., lots of 10 billion USP units 1,000,000 units .02½- —
Virginia type red, bbls., works lb 1.40 • —
Vitamin A acetate, syn., cryst., beads, 500,000 A units per gram gram .07¼- —
Vitamin A acetate, syn., dry, 500,000 units per gram, kilo lots kilo.67.50 • —
dry, 325,000 units per gram, same basis kilo.43.88 • —
dry, 250,000 units per gram, same basis kilo.33.75 • —

Dry vitamin A acetate in less than kilo lots, $2.50 per kilo higher in all potencies.

Vitamin A, liq. in oil, 1,000,000 A units per gram 1,000,000 units .10 • —
Vitamin A, palmitate, liq. 1,000,000-1,500,000 A units per gram 1,000,000 units .10 • —
Liq. in oil, 1,000,000 A units per gram 1,000,000 units .10 • —
Vitamin B_1 (see Thiamine hydrochloride).
Vitamin B_2 (see Riboflavin and Yeast).
Vitamin B_{12}, cryst., 1-10 gram vials, gram 215.00 • —

Oral grade solids, in containers of 1 and 10 grams of B_{12} activity gram 175.00 • —

0.1 percent triturations of cryst. B_{12} with dicalcium phosphate or mannitol, 1-10 kilo.247.00 • —

Vitamin C (see Ascorbic acid).
Vitamin D (see Codliver and Fish-liver oils, Calciferol and Viosterol).
Vitamin D_2, dry, 850,000 units per gram, kilo lots kilo.42.50 • —
850,000 units per gram, less than kilo lots kilo.45.90 • —
Vitamin E (see a-Tocopherol and Wheat germ oil).
Vitamin G (see Riboflavin).
Vitamin H (see Biotin).
Vitamin K, active (see Menadione).
Vitamin K_1, 25 gram bots gram 4.50 • —
Violet methyl toner (see Methyl violet toner).
VM&P naphtha (see Naphtha, VM&P petroleum).

W

Wahoo root, bark, bls. lb. 2.10 • —
Warfarin 0.5%, dms., 50-lb. lots, dlvd lb 1.95 • —
dms. 25-49-lb. lots, New York or Chicago lb 2.05 • —
cns. 5-24-lb. lots, New York or Chicago lb 2.15 • —
Watchung-type reds, bbls lb 1.95 • —
Wattle bark, fair average, African, bls, ex dock ton.68.00 • —
Merchantable, bls., ex dock ton.64.00 • —
Wattle extract, liq., 35% tannin, bbls lb. 08¼- .08½
Wattle extract, solid, East Africa, 60% tannin, bgs., ex dock lb. .08275- —
Solid, South Africa, 60% tannin, bgs. ex dock lb 0840- —

Waxes

Wax quotations, formerly grouped under one heading, are now listed individually. For example, prices on Wax, carnauba, may be found in the C's under Carnauba wax.

Wheat germ oil, 5-gal. dms. gal.12.25 • —
Wheat starch (see Starch, wheat).
White lead (see Lead, white).
White mineral oil (see Mineral oil, white).
White pine bark, rossed, bls lb. .18 • .19
White precipitate, USP, powd., dms., lb. 6.55 • —
Whiting (see Calcium carbonate).
Wild cherry bark, thin, nat., bls lb. .18 • —
Thin, rossed, bls. lb. .21 • —
Wintergreen oil, USP, nat., northern, cns lb 6.35 -10.30
USP, nat., southern, cns. lb. 3.75 • 7.00
Wintergreen oil, syn. (see Methyl salicylate).
Witch hazel bark, bls. lb. .16 • .17
Witch hazel leaves, bls. lb. .22 • —
Wollastonite, fine, bgs., c.l., works, ton.39.50 • —
bgs., l.c.l., ex whse ton.56.00 • —
Medium, bgs., c.l., works ton.27.00 • —
bgs., l.c.l., ex whse ton.44.00 • —
Wood alcohol (see Methanol).
Wood oil (see Tung oil).
Woolfat, crude (see Degras).
Woolfat, USP (see Lanolin).
Wormseed, Levant, bgs. lb. 4.25 • 4.50
Wormseed oil (see Chenopodium oil, NF).
Wormwood oil, cns. lb. 4.00 • 5.00

X

Xylene, coaltar, indust., tanks, works:
Bethlehem, Pa. gal. .33 • —
Birmingham dist. gal. .32 • —
Chicago, dist. gal. .34 • —
Cleveland dist. gal. .34½- —
Geneva, Utah gal. .29 • —
Johnstown, Pa. gal. .33 • —
Lackawanna, N. Y. gal. .34 • —
Lone Star, Tex. gal. .31¼- —
Lorain, Ohio gal. .33 • —
Middletown, Ohio gal. .34 • —
Minnequa, Colo. gal. .34 • —
Philadelphia dist. gal. .33 • —
Pittsburgh dist. gal. .33 • —
Sparrows Point, Md. gal. .33 • —
Terre Haute, Ind. gal. .34 • —
Youngstown, Ohio gal. .32½- —
Xylene, petroleum, indust., tanks, works:
Bayonne, N. J. gal. .33 • —
Baytown, Tex. gal. .31¼- —
Charleston, S. C. gal. .33 • —
Chicago, Ill. gal. .34 • —
Houston, Tex. gal. .31¼- —
Philadelphia, Pa. gal. .33 • —
Providence, R. I. gal. .33 • —
Wood River, Ill. gal. .34 • —

Xylenol, cryst., 45°-47° C., m.p., dms., l.c.l., works lb. .23 • —
30°-38°C. m.p., dms., l.c.l., works, frt. equald lb. .33 • —
60°-62°C., m.p., dms., l.c.l., same basis lb. .40 • —
Xylenol fraction, b.r. 7°-9°C., dry above 227°C., dms., c.l., same basis gal. 1.25 • —
dms., l.c.l., same basis gal. 1.30 • —
tanks, same basis gal. 1.05 • —
Xylenol fraction, b.r. 7-9°C., dry at or below 227°C., dms., c.l., same basis gal. 1.35 • —
dms., l.c.l., same basis gal. 1.40 • —
tanks, same basis gal. 1.15 • —
Xylidines, mixed, o-m-p, dms., c.l., or t.l., works lb. .39 • —
dms., l.c.l., same basis lb. .40 • —
tanks, same basis lb. .38 • —

Xylol

Xylol quotations, both coaltar and petroleum, may now be found under Xylene.

Y

Yara yara oil, cns. lb. 2.15 • 3.05
Yeast, brewers, debittered, USP, Saccharomyces dlvd. lb. .27 • —
Dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 • —
60 Int'l B units per gram, 100-lb. dms. lb. .52 • —
Yeast, brewers, dry, USP, 200 Int'l B units per gram, 100-lb. dms. lb. .56 • —
300 Int'l B units per gram 100-lb. dms lb. 60 —
Torula, USP, dlvd lb 18 —
Yerba santa leaves, bls. lb .42 .43
Ylang-ylang oil, Bourbon, bots lb.19.00 -25.00

Yellow Pigments

Yellow pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Yellow, benzidine, may be found in the B's under Benzidine yellow

Ylang-ylang oil, Bourbon, extra, bots lb.28.00 -40.00
Madagascar, bots lb No Stocks.
Yohimbine hydrochloride, bots, tins oz. 3.75 4.25

Z

Zein, bgs., 36,000-lb. lots or more. lb. .38 —
Zein, bgs., 1,000 to 36,000-lb. lots, works lb. .40 • —
bgs. smaller lots, works lb 43 —
Zinc acetate NF VIII dms. lb 53 —
Tech., dms., l.t.l., works lb. .29¾- —
Zinc borate bgs. c.l. dlvd E lb 192 —
bgs., l.c.l. dlvd E lb 202 —
Zinc chloride NF, gran., dms lb 42 • —
Precip., powd., dms. lb 26 • —
Soln. 50% dms., c.l., works 100 lbs 5.80 • —
dms., l.c.l., works 100 lbs 6.40 • —
tanks, works 100 lbs 5.15 • —
Tech., fused, dms., c.l., works, 100 lbs.10.70 • —
dms. l.c.l., works 100 lbs.11.20 • —
gran., fib dms., c.l. works 100 lbs.11.45 • —
fib dms. l.c.l., works 100 lbs.11.95 • —
Zinc chromate, bbls., dlvd. lb .29 • —
Basic, bbls. dlvd lb .34 • —
Zinc cyanide dms. 1,000-lb. lots or more, works lb .55 • —
dms. smaller lots works lb. .57 • —
Zinc dust, coml., bbls., c.l., works lb. 1380- —
Pigment, bbls., c.l., works lb .14 • —
bbls., l.c.l., works lb. .15 • —
Zinc fluoride, bbls., works lb 49 .50
Zinc hydrosulfite, dms., c.l., frt. alld lb. .21½- —
dms., l.c.l. frt. alld lb. .23½- —

—Continued on page 67

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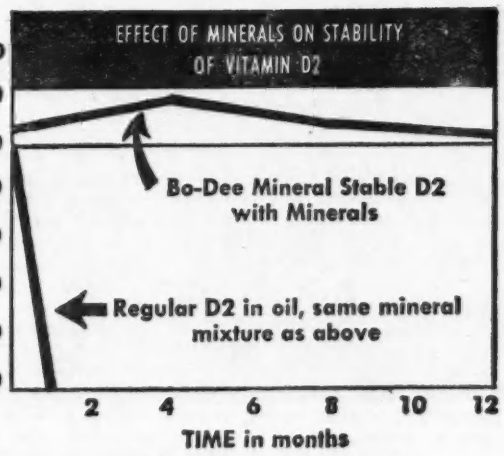
Steamed bonemeal	15.00	Copper sulfate	0.15
Tricalcium phosphate	13.00	Manganese sulfate	0.10
Magnesium sulfate	10.00	Cobalt sulfate	0.02
Iodized sodium chloride			20.00%



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US-Canadian Relations

OPD has received a letter from a chemical executive in northern New York state taking sharp issue with comments made here four weeks ago on US relations with Canada. The letter, which is reproduced elsewhere on this page, points up the fact that inferences, impressions and interpretations are so largely of individualistic determination that almost anything can be "all things to all men."

So, it is not strange that our correspondent does not consider it neglectful on the part of the United States that, with ten times the population of Canada, it does not buy from that country as much as it sells to it. Semantics may have something to do with the case: other commentators have referred to that attitude toward Canada's economic needs as indifference or lack of consideration.

With respect to the changing attitude of Canadians toward this country and its people, it is earnestly recommended that our correspondent and all others interested in any manner in US-Canadian relations read the *Harper's* Magazine article, "Why Canadians Are Turning Anti-American," referred to in our May 12 editorial. Other timely reading will be found in what two members of the foreign affairs committee of the lower house of congress had to say at the turn of the year about a "rising tide of resentment against the United States which is eroding traditionally good relations between this country and Canada." It is good news that that rising tide is now apparently receding.

It is true that the basic problem of Canada today is economic—but it is not only in commercial economy; it has strong aspects of social and political economy, and it is the last (especially import quotas) which is regarded as most objectionable on the part of the United States. It is not alone in realms of trade that US politics and policies are considered objectionable. The Norman and Bryce cases stand out as bad examples in other areas.

The writer of this has had extensive enjoyable social relations among Canadians since he began, almost forty-five years ago, spending his annual vacations fishing in the interior waters of the Ontario districts of Parry Sound and Algoma, complemented by his becoming a playing member of a golf club near Windsor a few years later and his attendance at meetings of the Chemical Institute of Canada, of which he became a member at its organization meeting. He feels that he has a pretty fair concept of Canadianism, and he has learned that Canadians appraise those from "the States" with whom they come in contact on an individualistic basis.

The domestic development of processing of the natural resources of Canada is a project on which the two Canadian political parties have different views. The party now in power advocates such a movement—it is also in favor of curbs on entry of US goods and capital. But, it is reported that the commission set up by the Parliament to study Canadian economic prospects, while declaring that "government steps to limit the impact of American investments on Canada . . . can reduce the danger of American recessions," has warned against "unreasonable demands to process raw materials at home instead of exporting them unfinished." It is to be assumed that the criterion of reasonableness in that connection would be the potentiality of markets for the finished products. If the philosophy applied in that connection is neighborly and humanistic, not competitive and technologic, the United States is the logical market for the products of Canadian economic progress.

There was no intention to imply in the May 12 editorial that the "informal" visit of the President and the Secretary of State to Canada would—or even might—in any way be harmful. Its potentialities for good were admitted. But, there was an implying of possible embarrassment for the Secretary of State, whose policies, practices and pronouncements do not rank high in Canadian opinion.

Various aspects of US-Canadian relations have been discussed on this page on numerous occasions—February 24 and April 14, this year. They will get further consideration as the influence of the St. Lawrence Seaway upon them develops—as it will. Doubtless occasion will arise also from time to time as the three-year research program of the Canadian-American committee on improving economic relations between the two countries progresses. It was started last month.

Ability Needed in Government

Establishment of a central recruiting office has been recommended by the Harvard Business School Club of Washington as a means of getting fully capable businessmen to accept government posts for adequate periods of essential services. Almost seventy years ago, a Harvard alumnus who had entered upon a government career that eventually attained the presidency, is reported to have said that a "heavy moral obligation" rested upon men of means and men of education to "do their full duty by their country."

In its report of a study of the attitude of businessmen toward government jobs and their experiences in such jobs, the HBS club says: "The shocking fact is that though the Eisenhower administration has been called a businessman's government, it has had an exceedingly difficult time getting the kind of businessmen it wants." It has had a more difficult time getting those it did get in to stay on the job. "Short-terming" has increased markedly; from 1950 to 1956, 68.5 percent of them did not stay more than one year—of course, the volunteer plan, with limited tenure was a factor in that respect.

There are three major reasons for the reluctance of qualified men to accept and retain government jobs. One is that most frequently heard about but is not generally of primary influence is the pay. That is a very potent reason, however, with reference to diplomatic posts abroad.

A second reason is the atmosphere of bureaucracy. That is not the much-discussed—usually on flimsy bases—reaction against close association with men of lesser basic ability but trained in what they are expected to do. It is not the equally popular topic of the smothering of initiative. It does, however, have some of each of those in its makeup.

The third reason for the difficulty of getting properly qualified men to take government jobs is the feeling that the occupant will be forced to hear, heed and follow the beck and call of favor-seeking politicians whose influence is such that refusal to do so will result in the occupant's being displaced by someone who is more tractable.

Then, too, there is that confusingly complex bugaboo—conflict of interests—which can and often does have some very narrow personal applications. Even basically, that "conflict" is not as potentially bad as it is painted. Interests should have little weight per se. What actually is undesirable is what is done with or because of them. That can be controlled with comparatively little difficulty.

It is encouraging for those who would like to see government get the services of adequately qualified personnel to learn that Dr. Arthur S. Flemming will soon be again in the service of the federal government as Secretary of Health, Education and Welfare. He has high standing as an educator, instructively and administratively. He has had long and wide experience in government work, as a member of the Civil Service Commission, as director of the Office of Defense Mobilization, and in various advisory and consulting capacities in the Washington setup.

The economic and social council of the United Nations was told recently by the UN Secretary-General that forty-seven governments had manifested an "increasing recognition of the fact that efficient administration is a prerequisite for the success of national efforts toward economic and social development," when they endorsed his idea for expansion of technical assistance programs so as to provide skilled administrators for more adequate periods of service.

Today's worldwide pressure for that efficient administrative prerequisite may not be sufficiently motivational upon those who contribute to its successful development. But, it should do much toward getting support for the, as yet, inadequately advocated establishment of a civil service academy system in this country.

OPD Forum

US-Canadian Relations

Editor,
OIL, PAINT AND DRUG REPORTER,
Sir:

In the May 12th issue your editorial page contained an editorial comment entitled "Neglect of our Northern Neighbor" which had many inaccuracies in its text. In the first place, I do not believe that Canada is being neglected by the United States and, in the second place, I do not believe that Canadians are turning anti-American and that the relations between the two countries are deteriorating to the extent implied in the editorial.

Canada's basic problem is one of upgrading its own mineral resources in Canada and producing finished goods for a consumer market. Canada wishes to change its economy from that of a primary producer of raw materials to that of a secondary producer of finished goods. In order to do that it has to establish a market for the finished goods. Its own consumer market (16,000,000 people approximately) is too small to absorb all of the goods that will be produced at an economic level. It, therefore, must look elsewhere for its markets.

The United States is not the logical place as it has its own secondary production facilities and currently has saturated its own consumer market with finished goods. Therefore, Canada must look for markets in Great Britain, British Commonwealth countries and colonies, China, and perhaps even the Soviet Union. It can be seen, therefore, that the problem is an economic one and not a social relation between nations as your editorial would lead one to believe.

I don't believe the United States can be of much help to Canada with its economic problem without jeopardizing its own economic situation at home. Canada must resolve its own problem of world markets and I might add that the competition in this field is currently extremely "rough and tumble." Canada will have a tough time of it at first but if it sets its mind to it I am sure it will be successful in the long run.

Regarding the President's and Mr. Dulles' "informal" visit to Ottawa, I can see no harm in this visit and feel that it will help to cement social relations between our two countries.

R. WALTER KULOW
Olin Mathieson Chemical Corporation
Niagara Falls, N. Y.

Washington Talks It Over

Hog-Cholera Serum Use Appears to Be Losing Popularity, But the Experts Can't Seem to Find Out Why.

By Ralph L. Cherry
Chief, OPD Washington Bureau

Something is happening to the program of immunizing hogs against cholera that has the experts baffled. During the past few years there has been a gradual drop in numbers of pigs being treated and if continued the growers may wake up some morning to find a major epidemic on their hands without enough vaccine to combat it.

There has been no evidence up to the present time that the incidence of hog cholera is increasing because fewer numbers of pigs are being "shot," but the fewer immunizations mean increased chances of costly outbreaks of the disease. Against an average of 50 percent of the pig crop being treated annually prior to 1952, in the last five years the number of "shots" has steadily declined until last year it went below the 40 percent mark.

The hog-cholera serum marketing agreement and order administered by USDA requires that commercial producers of serum have available on May 1 each year not less than 40 percent of the amount of serum they sold the previous year.

Nuclear Experts to Latin America

A mission of experts on the scientific, technological and educational aspects of nuclear energy is being organized under the direction of the Organization of American States and the International Atomic Energy Agency to tour Latin America and stir up interest in the field of nuclear sciences.

At the first general conference of the IAEA last year the shortage of trained and specialized personnel in the field of nuclear technology was recognized as one of the prime obstacles to broader activity in this field. In fact, the conference concluded that this shortage is a more serious limiting factor to the development of atomic energy than the lack of funds or equipment.

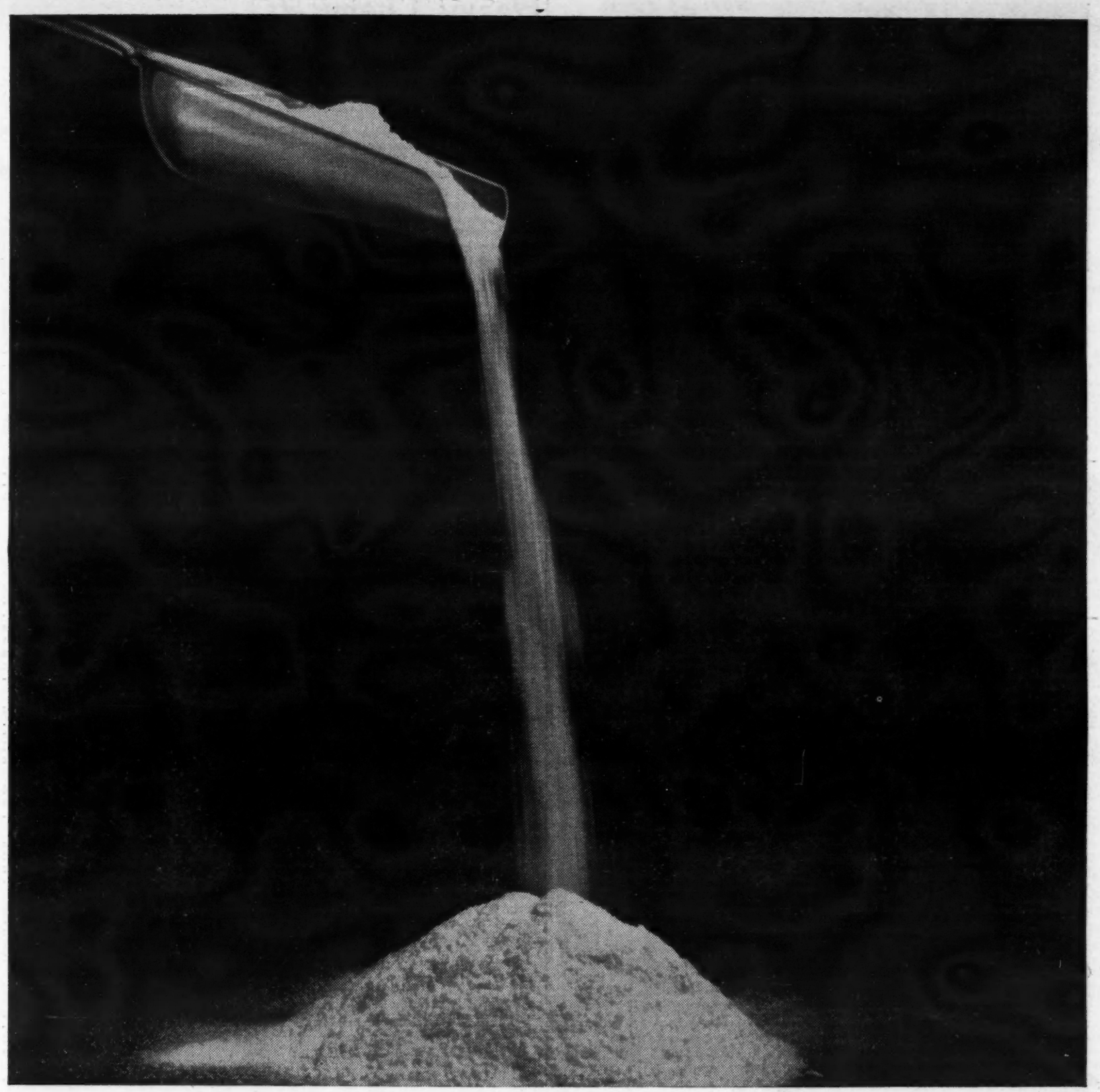
The Latin American tour will study the possibility of establishing regional training and specialization centers in various of the countries.

Bright Spots for Fertilizer

Agricultural economists expect a slight increase in fertilizer consumption this year. The Department of Commerce reports that in the last half of 1957 production of anhydrous ammonia was 15 percent higher and production of superphosphates 7 percent higher than a year earlier. However, potash deliveries were 10 percent lower.

Since 1950, nitrogen has accounted for about half of the overall increase of nearly 2 million tons of plant nutrients. Gains of 89 percent for nitrogen, 8 percent for phosphoric oxide, and 59 percent for potash were made from 1950 to 1957. Economies in nitrogen manufacture, together with strong yield response to that element, have been mainly responsible for its increasing use relative to other nutrients.

Since 1950, prices of nitrogen and potash materials have declined by 10 percent or more if shifts to new and cheaper sources of nitrogen are taken into account, the Department of Agriculture notes. Prices of phosphate materials, however, have increased by about 10 percent since 1950.



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Heavy Chemicals

The heavy chemicals market continued to benefit from rising steel production last week. The slow but steady climb in steel output rates over the past few weeks has been a key factor in improvements all along the line in chemical sales. Business is nothing to shout about, one observer noted, but compared with what it was at the turn of the year, business is good. Mineral acids are feeling the most immediate effects of the steel upturn. This includes hydrochloric, hydrofluoric, nitric and sulfuric.

Alkalies, too, are said to be enjoying their best sales month of the year. Some salesmen believe June will be considerably better than May. Beyond this, however, predictions vary.

A lot depends on what steel does, some believe. It is felt that consumers of steel are now buying as a hedge against higher prices expected July 1. After that date, they feel, demand could taper off during July and August.

But the steel people themselves are talking up a storm about prospects of good July and August business. If auto makers retool early, or if present model automobile sales continue to pick up during the summer, they say, steel demand could hold up strongly right on through.

The strike which has shut down a large plant of a major chemical producer in the midwest continued last week. Among heavy chemicals affected are mineral acids and phosphorus products.

The American Paper and Pulp Association reported production for the week ended May 31 at 80.9 percent of theoretical capacity, as compared with the revised figure of 85.7 percent for the previous week, and 90.4 percent for the corresponding week of last year.

Price Trends

Advanced
Tin, ¼c. per lb.
Reduced
Lead, ½c. per lb.
Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	June 7, 1957
104.68	104.68	104.68	104.45

For Current Prices See Page 9

Acids

Hydrochloric—This acid has been helped considerably by improvement in steel production. Thus far in June, business is said to be much better than for the corresponding time last month.

Hydrofluoric—Pace of business continued to quicken. Demand has been steadily gaining from steel applications, notably stainless. Owing to the normal upswing in refrigerant demand for air conditioning, fluorinated hydrocarbon production has also increased.

Nitric—Stainless and carbon steel, as well as other metal treatment applications, spurred sales in this market last week. While it was conceded that current demand was nothing to get excited about, nonetheless, it was pointed out that there has been a marked improvement in sales.

Sulfuric—Higher steel production has given this market a quietly optimistic tone. Business during the first week in June showed a brisk upturn, continuing a trend begun last month.

Sources are at some variance in their views of the current steel position. Some think that steel demand has risen sharply because buyers are hedging against expected increases in steel prices July 1.

Some steel people believe, on the other hand, that the automotive industry will be much more active during the next few weeks, and that steel demand could hold up well right through July and August.

Otherwise, rayon producers are showing optimism, primarily based on an expected uptrend in new car output. This could account for heavier rayon tire cord production, which would in turn benefit sulfuric acid sales considerably.

Steel output last week rose to an estimated 1,641,000 tons from the previous week's actual production of 1,567,000 tons, according to the American Iron and Steel Institute.

Actual production of steel two weeks ago was equal to 58.1 percent of capacity. Actual output a month ago was only 1,334,000 tons. However, production a year ago last week amounted to 2,240,000 tons.

Bases and Salts

Aluminum Chemicals—There is strong feeling in the industry that prices for some aluminum chemicals may go up July 1. This could include calcined alumina, aluminum hydrate and aluminum fluoride.

Observers base their feelings in this direction on the fact that the aluminum industry is on a similar basis with the steel industry in terms of wages—which are scheduled to be increased automatically July 1.

Caustic Soda—Business last week was said to be about the best so far this year. The rayon industry has shown moderate increases in orders. Paper and chemical inquiry, while lower than last year at this time, have also increased.

Chlorine—Business last week continued to get better, although demand was believed to be under 1957 levels for the corresponding period.

However, as one source put it, business last week was good, contrasted with what has been the case since January 1. A look back at February is afforded by the Bureau of Census.

For that month, the bureau reports, chlorine daily production declined to 83 percent of capacity. In January, things weren't much better. Daily rated output during that month was 87 percent of capacity.

Ferric Chloride—The other producer of sewage treatment grade has lifted its prices on spot by 25c. per 100 pounds. This makes the new price of $4 per cwt., tankcars, freight equalized, general throughout the industry. Contract increases will go into effect July 1.

Soda Ash—Dense ash inquiry last week showed strength, owing to sizable deliveries to the glass industry. Glass companies are still looking for a sharp upswing in flat glass orders, but bottle demand for the summer season is said to be seasonally normal.

Light ash takings by the aluminum industry have been adversely affected by

Inorganic Chemicals Output: February

The following figures compiled by the Bureau of Census indicate production of industrially important inorganic chemicals, in tons.

	Feb.	Jan.
Aluminum chloride, anhyd.	2,745	3,063
liq., cryst.	931	1,095
Aluminum sulfate, com'l.	60,597	64,843
iron free	2,941	2,808
Calcium carbide	66,849	81,538
Carbon dioxide, liq., gas.	24,937	28,497
solid	26,955	29,558
Chlorine gas	287,513	311,579
Chromic acid	840	1,356
Hydrochloric acid	64,796	76,398
Hydrofluoric acid	6,214	7,197
Nitric acid	213,289	252,065
Phosphoric acid	135,140	143,214
Phosphorus, elemental	23,791	29,600
Phosphorus oxychloride	1,318	1,692
Phosphorus trichloride	1,355	1,619
Potash, caustic, liq.	6,030	6,725
solid	1,188	1,578
Soda ash, light	176,725	188,608
dense	138,105	140,188
natural	42,804	51,966
Soda, caustic, liquid	309,177	353,908
dry	31,848	42,783
Sodium bicarbonate	7,552	8,834
Sodium chlorate	5,140	5,260
Sodium metal	9,412	10,555
Sodium phosphate, tribasic	3,652	3,667
Meta	4,080	4,750
Tetra	6,235	9,631
Acid pyro	1,344	1,428
Tripoly	48,723	56,837
Sodium silicate	40,352	41,302
Sodium sulfate, anhyd.	20,544	24,035
Glaubers salt	7,764	8,283
Salt cake, crude	52,997	61,754
Sulfuric acid, gross	1,214,072	1,351,177

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Heavy Chemicals

a lower-than-average production rate. In fact, aluminum output in April was the lowest for that month since 1955.

Phosphate demand has been fairly active, but sellers believed last week that demand so far has not measured up to the 1957 rate.

Sodium Silicofluoride—To some in the industry, it looks like domestic sellers are edging ahead in the competitive battle with imported material.

It was reported last week that many cities and towns have asked bids for fluoridation of their water supplies, and that in several instances, domestic producers have taken business from imported material.

A key feather in the Americans' cap: Cleveland, Ohio. Last year, that city is reported to have taken 900 tons from foreign sources, while this year, a domestic producer has obtained the business.

This factor alone is of great influence on the market for imported material, in that the 900-ton total last year accounted for a whopping chunk of the total of 2,285 tons imported.

The Tariff Commission indicates that 2,285, tons of sodium silicofluoride were imported during 1957. This excludes material incorporated into laundry sours and other package goods.

Value of shipments into this country figures out to be about 4.9c. per pound, whereas domestic sodium silicofluoride price is 6½c. per pound, bags, carlots, f.o.b. works.

Nonferrous Metals

Copper—Custom smelters roosted last week at the higher level of 24½c. per pound. Primary producers continued to list electrolytic at 25c. per pound, delivered US destinations.

Lead—Metal market weakened again, dropping to 10.8c. per pound, St. Louis, and 11c. per pound, New York basis. Price was the lowest since June, 1950.

Tin—Straits metal was listed at 95c. per pound, spot, on Friday.

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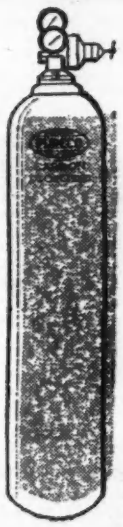

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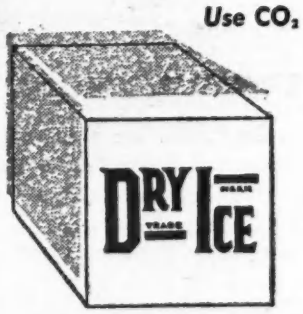

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Steel Container Firm Established in Texas

A new Texas firm, Southwestern Steel Container Company, has been formed with home offices and manufacturing plant in Dallas. The organization will manufacture a full line of steel shipping containers for petroleum, paints agricultural and industrial chemicals, printing inks, and food products, Gordon D. Zuck, president pointed out. It will serve the needs of varied industries throughout Texas, Oklahoma, Arkansas, Louisiana, New Mexico, Colorado and Arizona.

Mr. Zuck, is also president of Vulcan Steel Container Company, Birmingham, Ala. He emphasized, however, that the new Texas firm will be an independent, self-sustaining operation in Texas.

Calkin & Bayley Buys Firm

Calkin & Bayley, Inc., New York, has acquired the consulting practice of the late Joseph J. Schaefer. Mr. Schaefer worked primarily in the field of synthetic organic chemicals.

Gordon Conferences

—*Continued from page 7*

frared spectroscopy, and solid state studies in ceramics.

As in previous years meeting sites are three campuses in New Hampshire—Colby Junior College, New London; New Hampton School, New Hampton; and Kimball Union Academy, Meriden.

Nuclear Conferences on Agenda

This year, there will be conferences related to nuclear science, including radiation chemistry, chemistry and physics of isotopes, and high pressure research. Basic research and advancing theory in the traditional domains of chemistry are the subjects of conferences on analytical chemistry, separation and purification, organic coatings, organic reactions and processes, and statistics in chemistry and chemical engineering.

Exploring relatively young frontiers will be conferences on elastomers, metals at high temperatures, chemistry of adhesion, and instrumentation. Other subjects will include petroleum, coal, textiles, glass and corrosion.

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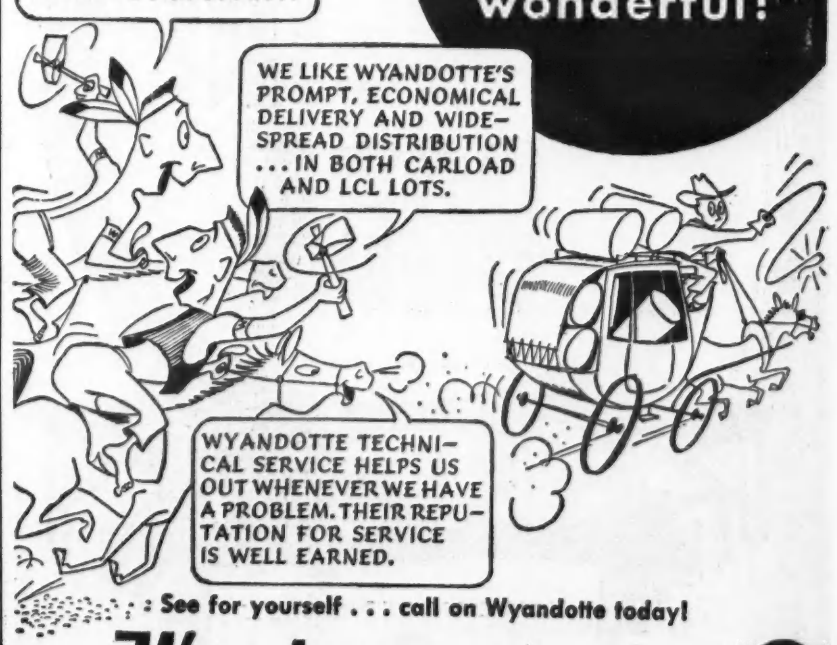
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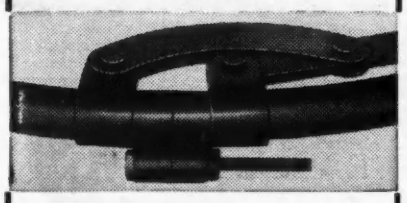

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Chemical Firms Get

—Continued from page 4

line of commerce and thus violates Sec. 7, the examiner ruled.

Taking issue with the examiner, the commission said:

"We do not concur in the holding that a significant increase in a producer's already substantial share of the market necessarily demonstrates likelihood of statutorily forbidden effects in every distributional situation. This is not to say that the dimensions of the market segment being eliminated from competition between merging corporations may not in some evidentiary situations support inferences of substantial anticompetitive effects.

Nevertheless, informed determinations as to actual or probable competitive effects can only be based on an analysis of all facts of record pertaining to the relevant market. In addition to the facts concerning market shares, likewise important is such evidence as was received herein pertaining to the general competitive situation, number of competitors and degree of concentration prevailing in the industry."

Chemical Producers'

—Continued from page 7

about equal, the freight tax becomes vitally important. Sometimes the tax has been enough of a factor to tip the scales in favor of one firm, and thus force a competitor to relocate in order to reduce its freight tax. This is an example of plant relocation for a purely synthetic cause."

The federal government collected about $468 million from the 3 percent tax last year, Senator Smathers said. But the clear gain for the Treasury was only about $225 million. The rest is charged off as a business expense against income, he reported.

Airco Chemical Slates Unit

Air Reduction Chemical Company, New York, a division of Air Reduction Company, plans to construct a new laboratory and office building at Piscataway Township, N. J. Late in May the company announced that an extensive pilot plant facility would be built at the same location. The two projects will cost over $1 million.

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Petroleum Derivatives

Producers here noted last week that even if the automobile industry should realize some revival of market, a new problem—the labor situation—would descend upon it almost immediately. This is a development arising from the recent failure of major automobile producers and the union to reach a contract agreement. In light of the present economic situation, of course, the union has not and probably will not immediately strike; however, whenever the situation so warrants, and this will be without question the first time the market begins to show some strength, the development will have to be resolved. Other than this, the industrial picture remained at the same level it has held for the past months. Demand stands stifled; production is limited. On the non-industrial front, with seasonal factors at work, some air has been allowed in and though the picture is not exactly bright, sources here report, there is a show of color. Particularly effected, aside from the mineral waxes, are the cheaper solvents finding uses in paints.

According to a report by the Bureau of Mines, stocks of refined products amounted to 473,572,000 barrels at the end of March, a decrease of 5,372,000 barrels during the month but an increase of 32,001,000 barrels over a year ago.

The Bureau of Labor Statistics computed the wholesale price index for petroleum products at 117.0 for March campared with 118.9 for February and 130.7 for March, 1957.

Solvents and Diluents

Benzene — Stocks of this material on spot continued plentifully available last week producers here reported. The styrene picture remained one of hand-to-mouth demand with little hope for variation. The automotive industry may offer some slight uplift when its change-over to the new models begins, but even here there is little anticipation of much change in position or situation in the light of the present economic slump. Also, of course, there is the current element of labor troubles coupled with the problems that already prevail.

Toluene—This material continued soft on spot last week at recently eased price positions. Producers here noted that the price shift—initiated by coaltar producers—has not influenced the market conditions much and the toluene position, if it is any different from previously, is easier than before. Some producers suggested that strength may be tapped from the hike in gasoline sales during the seasonal months. However, with the present tight money situation what it is, there is no anticipation of a real surge in the market.

Mineral Spirits — Producers here last week said that the market for this material is reflecting the seasonal upturn in the paint market. Sources agreed that though the overall sales picture for this year will reflect a dip, the seasonal period will offset that trend somewhat. Government construction and financed building will, of course, be a real contribution to the non-industrial field this year, it was added. On the industrial front, of course, mineral spirits have suffered and will continue so until the automobile industry returns to some position somewhat related to its previous levels.

Cleaner's Naphtha—Producers reported no change here. Plagued as it is by the inroads caused by the synthetic fiber industry, the market for this naphtha is at best holding its own at softened levels reached over the past years. Owing to the growing popularity of synthetic summer clothing, there is little hope that this development will reverse itself.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	June 7, 1957
106.73	106.73	106.73	107.64

For Current Prices See Page 9

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended May 24 totaled 269,825,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 272,955,000 barrels for the preceding week, this represents a decrease of 3,130,000 barrels comprising a decrease of 2,431,000 barrels in stocks of domestic crude and a decrease of 699,000 barrels in stocks of foreign crude.

LPG's

Production of LPG's during March was tallied by the Bureau of Mines at 4,694,000 barrels or a daily average of 151,000 barrels. This figure compares with the 4,597,000 barrels produced during February and the 4,544,000 barrels produced during March of 1957. Production during the first quarter of the year was computed at 14,141,000 barrels as compared with the 13,645,000 barrels in stock during the first quarter of last year. Exports of LPG's was tallied at 403,000 barrels as compared with the 265,000 barrels exported during the month previous and the 387,000 barrels exported during March, 1957. Total exports for the three months of the first quarter were computed at 951,000 barrels as compared with the 1,167,000 barrels exported during the first three months of last year. LPG stocks for March were 1,859 as compared with the 1,654,000 barrels for February and the 1,749,000 barrels for March of last year. Domestic demand was tallied at 15,336,000 barrels or a daily average of 459,000 barrels. This compared with the domestic demand figures of 17,995,000 barrels for February and 12,870,000 barrels for March of last year. Total domestic demand for the first quarter was computed at 53,291,000 barrels as compared with the 44,947,000 barrels tallied for last year's first quarter.

Waxes, Mineral

March production of petroleum waxes was tallied by the Bureau of Mines at 445,000 barrels or a daily average of 14,000 barrels as compared with the 389,000 barrels produced during February and the 499,000 barrels produced during March of the year previous. Output for January-March, inclusive was tallied at 1,274,000 barrels as compared with the 1,335,000 barrels produced during the same period of the year previous. Exports of petroleum waxes during March was tallied at 73,000 barrels as compared with the 59,000 barrels exported during February and the 57,000 barrels shipped during March of 1957. Exports for the first three months of this year amounted to 194,000 barrels as compared with the 207,000 figure for the first three months of last year. Stocks of wax in March were computed at 719,000 barrels as compared with the 694,000 barrels on hand in February and the 670,000 barrels on hand for March of last year. Stocks for the first three months of the year were computed at 719,000 barrels as compared with the 670,000 barrels computed for the first three months of last year. Domestic demand, according to the Bureau of Mines report, was tallied at 347,000 barrels as compared with the 338,000 demand figure for February and the 404,000 barrels sold during March of the year previous.

Miscellaneous

Crude Oil—March production of crude petroleum in the United States averaged 6,273,000 barrels daily, a decrease of 536,000 barrels per day from the 6,809,000 barrels per day recorded in February, according to the Bureau of Mines. This, the bureau says, represents the greatest monthly decline in production since the refinery strike of May 1952 when production decreased 1,342,000 barrels per day from the previous month's level. Most major oil producing states showed production decreased during the month. Texas showed a decrease in daily production amounting to 412,000 barrels; Oklahoma, 53,000 barrels; Kansas, 27,000; Louisiana, 22,000 and New Mexico, 20,000.

Obituaries

Joseph Harrington

Joseph F. Harrington, director of the Nuclear Engineering Research Bureau, New York, died June 2 in New Rochelle, N. Y. He was sixty-nine years old.

Previously, Mr. Harrington held positions as vice-president of Industrial Solvents Corporation and was affiliated with Standard Oil Development Company. He also had been connected with Esso Standard Oil and Enjay Company.

David A. Douglas, a co-founder of Warren-Douglas Chemical Company, Omaha, Neb., died on May 31. He was fifty-seven years old. Mr. Douglas helped to found Warren-Douglas in 1945.

Samuel S. Gutkin, eastern technical sales-service manager for Cargill, Inc., Minneapolis, Minn., died June 2 in Plainfield, N. J. He was fifty-three years old. Mr. Gutkin joined Falk & Co. in 1937 and joined Cargill on its acquisition of Falk in 1952.

Dr. David Hart, chief of the pyrotechnic laboratory at Picatinny Arsenal, died June 3 in Dover, Del. He was fifty-eight years old. Mr. Hart was nationally known for his work in military pyrotechnics.

Leonard Schneider, former printer in OPD's composing room, died June 6 at his home in Richmond Hill, Queens, N. Y. He was sixty-six years of age. Mr. Schneider retired in February after eleven years with OPD.

Upjohn Synthesizes

—*Continued from page 4*

rent issue of the *Journal* of the American Chemical Society, it is estimated that more than 10 percent of all pregnancies are terminated by miscarriage.

The biological properties of the new drug, whose chemical name is 6 alpha-methyl-17 alpha-acetoxyprogesterone, indicate that it may be particularly useful in the control of this condition and in preventing birth before the proper time, the report says.

A standard potency test, in which provera was injected under the skin, showed it to be fifty to sixty times as active as progesterone, the natural hormone that regulates the duration of pregnancy.

In the form of tablets, it was 100 to 300 times as active as ethisterone, an orally active drug similar to progesterone. Progesterone itself is relatively ineffective when taken by mouth.

It has been observed in animal tests that provera also is a very potent ovulation inhibitor, the report notes, suggesting that it may prove useful as an oral contraceptive.

Oil Producers

—*Continued from page 4*

the result of an illegal "agreement, understanding and concert of action among the defendants."

All the oil producers answering charges appeared ready and willing to meet the government on legal grounds.

Sun Oil's Dunlop commented: "Needless to say we shall fight this unfair and untruthful charge against Sun Oil Company with every means at our disposal."

Fred W. Bartlett, chairman of the board of Socony Mobil Oil Company, New York, noted that "if it is brought to trial, we are confident that Socony Mobil will prove it has conducted itself as a good and law-abiding citizen in the highly-competitive oil industry."

A spokesman for Standard Oil Company of New Jersey said that "although we have not seen the indictment and so cannot comment on it in detail we want to make it clear that any charges it contains must be proved at a trial."

A producer's explanation of the developments leading up to the indictment was offered by John E. Swearingen, president of Standard Oil Company (Indiana). "The effort to meet the needs of our European allies," Mr. Swearingen said, "threw domestic supplies into imbalance. That imbalance in turn exerted a strong upward pressure on prices. The record shows that our crude purchasing affiliate, Indiana Oil Purchasing Company, posted lower prices in numerous instances than did companies whose price-change announcements preceded ours. Clearly, then we were not acting in concert."

Olin Tries Education

—*Continued from page 5*

Paul Neal, had to say about the Mr. Colborn's effort:

"Before he came, our gifted students rusted away. It used to be that a student was ashamed if anyone called him a brain. Colborn has given our students a new respect for learning."

For the coming school year, Olin's forest products division will put up another $10,000 and the school authorities have voted a special appropriation to cover the salary of Mr. Colborn and a physics teacher who will be brought in, "cut from the Colborn cloth."

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Petrolite C-1035	195 Min.	2 Max.	1½ Max.	Nil	Nil
Petronauba C	180 Min.	7 Max.	3 Max.	22-26	50-60
Petronauba D	185 Min.	5 Max.	6 Max.	20-26	50-60
Petronauba H	195 Min.	1-3	4 Max.	15-25	50-60
Petrolite C-15	180 Min.	4-6	4-5	15-17	45-55
Petrolite C-23	180 Min.	4-6	4-5	20-15	55-65
Petrolite C-36	180 Min.	5-7	4-6	30-35	75-85
Petrolite FS-100	195-200	2-3	4-6	15-20	45-55
Petrolite B-30	190-200	2 Max.	4½ Max.	40-50	65-80
Petrolite P-20	210-220	2 Max.	3 Max.	Nil	Nil

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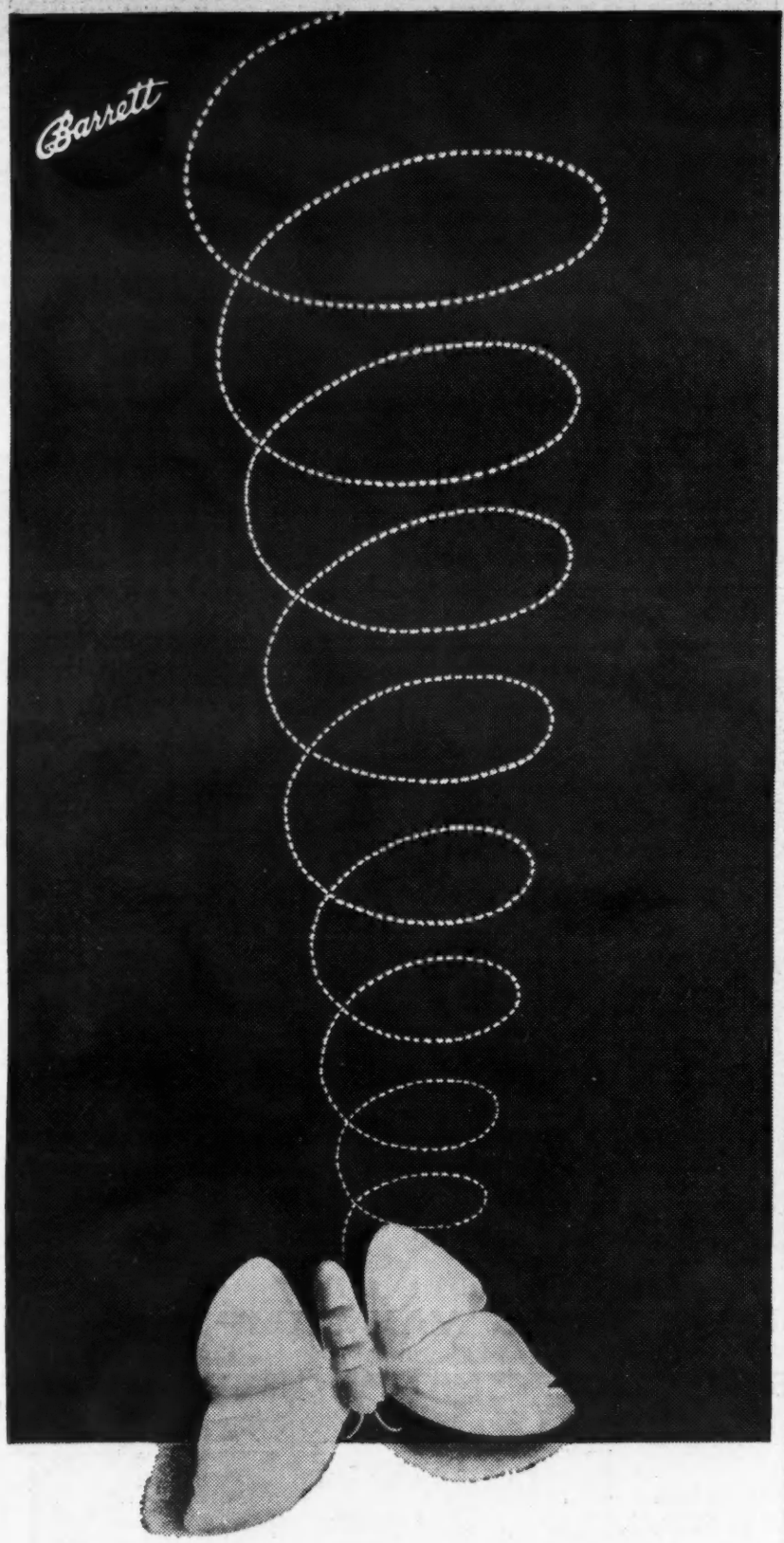

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Allied Chemical

Coal Chemicals

Straight creosote oil was reduced 4 cents per gallon to a level of 20 cents. New price applies on tankcar shipments of material which is used primarily in the treatment of railroad ties and forms the bulk of the 150 million gallon creosote wood preservation market. Creosote solutions were also revised downward using a basis of 20 cents per gallon for creosote and 16 cents per gallon for coaltar against a previous base of 24 cents and 17 cents respectively. The change means a 1 cent per gallon reduction on crude coaltar for solutions. Schedule for refined creosote oils was unchanged.

Effective today, diphenylguanidine will be reduced 5 cents per pound to 49 cents per pound in ton lots or more and 50 cents in less than ton quantities. West of the Rockies price will be 2 cents per pound more across the schedule.

From a cost standpoint some sources felt the price of cerosote should have been increased, but the possibility was remote in view of continued heavy import pressure and sharp cutbacks in railroad buying.

Steel output edged up toward 60 percent of capacity and was the basis for an optimistic feeling in the industry concerning general business conditions. However, it was difficult to find much optimism among producers of BTX solvents. Benzene was freely available. Exports have jumped while imports continued to dwindle reflecting the domestic oversupply. Sharp cutbacks in cokeoven operations have put some areas in the unique position of being short on benzene in a time of plenty. The surge buying which developed subsequent to the April price reduction on toluene had dropped noticeably. Coaltar sources were still moving more toluene than they had previous to the price change. However, the slack season for solvents was fast approaching. Substitute solvents and petroleum pressure were again in evidence in some sections of the country. It was said that long hauls were being taken which would not normally be accepted if inventories were in order. Export markets remained very weak.

American Iron and Steel Institute reported steel production in the week ended June 1 amounted to 58.1 percent of theoretical capacity. Estimated steel production in the week ended June 8 was 1,641,000 net tons while actual output in the week previous was 1,567,000 tons. Production in the comparable week one month ago was 1,334.000 net tons and 2,240,000 tons in the corresponding week one year ago.

Price Trends

Advanced
None

Reduced
Coaltar, crude, resale, tanks, works, 1c. per gal.
Creosote, crude, tanks, 4c. per gal.
80% solution, tanks, 3.4c. per gal.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	June 7, 1957
118.12	118.13	118.13	118.20

For Current Prices See Page 9

Basic Products

Benzene—Overall market remained top heavy from a supply standpoint. Major outlets to makers of phenol and styrene were dull and featureless. Requirements for benzene used in the manufacture of aniline, detergents and insecticides were off from last year's levels.

Exports have jumped considerably while imports continued to dwindle. Sharp cutbacks in cokeoven operations have put some locations in the unique position of being short on benzene while others were oversupplied. Tar distillers output has held steady while petroleum production over the first quarter exceeded first quarter, 1957, but was substantially less than last quarter, 1957.

Price was unchanged at 36c. per gallon.

Coaltar—Price in tanks slipped to 16c. per gallon, a reduction of 1c. on crude material for resale use in solutions. Refined coaltar, resale, for industrial use, was unchanged.

With coaltar from steel mills reported at 12c. to 14c. per pound, the squeeze on tar distillers was intensified by the 1c. reduction.

Creosote—Straight creosote oil was reduced 4c. per gallon to a level of 20c. in tankcar quantity. The reduction applies on material meeting specifications of the American Wood Preservers' Association and would include the vast amount of creosote used by railroads in treating an estimated 26 million ties each year.

Creosote solutions were also revised downward using a basis of 20c. per gallon for creosote and 16c. per gallon for coaltar as against the previous base of 24c. and 17c. respectively. New listings were: 19.2c. per gallon for 80 percent creosote solution; 18.8c. per gallon, 70 percent solution: 18.4c. for 60 percent; and 18c. per gallon for 50 percent creosote solution.

Quotations on refined creosote oils for use in finished coatings materials were unchanged at the close of the week. It was pointed out that the cost-price squeeze was intensified on these "selected tars" since additional clarification and distillation procedures are necessary to upgrade material for specialty uses. Price on these oils ranged from 33c. to 35c. per gallon in tanks; 42c. to 44c., carload in drums; and 53c. to 55c. per gallon, l.c.l. in drums.

Surprise was expressed in some quarters over the sudden revisions. From a cost standpoint, it was felt a price advance would have been more likely. Labor and drums costs were up and freight charges have become increasingly heavy, it was said.

However, heavy import pressure and sharp cutbacks in railroad buying coupled with the depressed economic picture in general made prospects for an advance remote.

One source reported a competitive import situation on the West coast may have triggered the reductions. Creosote oil price was dropped from 26c. to 20c. per gallon on the West coast two weeks ago. On this basis, a previously existing 2c. differential between prices at eastern and western plants was wiped out.

Cresols—Trading continued slow on ortho. The market has been noticeably weaker after the early surge of buying at the beginning of the first quarter. An upturn in m,p-cresols had failed to materialize. Considering the overall market, trade sources could see little improvement in the months immediately ahead. It was felt that any upturn would have to await improvement in the general economic picture late this year or early in 1959. Prices were unchanged from previous report. Price was firmer for export as a result of continued low level output from cokeovens.

Naphthalene—Movement of ball and flake naphthalene remained steady at comparatively low level. Crude, the bulk of the market, remained depressed as a result of poor demand for phthalic anhydride. Price was unchanged. Material remained readily available from both domestic and import sources.

Phenol—Plastics and resins movement continued listless as a reflection of the general economic trend. Production has held up fairly well with the export market constituting a more active outlet thus far this year than was the case in 1957.

Pitch—Effective July 1, a major producer will advance all industrial coaltar pitches $4 per ton. The increase will not apply to roofing pitch, however.

Other sources were studying price structure in this market, but no action had been taken at the close of the week. However, it was felt that the advances were justified in view of the fact that

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending June 8, was as follows:

Ammonia liquor	lbs.	432,960
Ammonium sulfate	lbs.	26,476,954
Benzene	gals.	2,618,717
Coaltar	gals.	12,696,488
Crude chemical oils	gals.	332,705
Solvent naphtha crude, heavy solvents	gals.	85,859
Toluene	gals.	558,087
Xylene	gals.	169,986

Coal Chemicals

better processing technics developed in recent years have made pitches "finished chemicals" for use in a wide variety of industries. As such, they can hardly be regarded on the old basis of 2c. per pound for crudes that may contain a number of impurities.

Toluene—Trading remained quiet as producers entered the slow summer season for solvents. The surge buying noted by some sources following the April price reduction had leveled out. Pressure from substitute solvents and petroleum material was again in evidence in certain sections of the country, but coaltar sources continued to report selling more toluene than was the case previous to the price reduction.

Intermediates

Diphenylguanidine—Effective today the price of this material will be reduced 5c. per pound across the schedule. New price in ton lots or more will be 49c. while less than ton lots list at 50c. per pound. Prices West of the Rockies will be 2c. per pound more across the board.

Sources reported that the reductions were made possible by continued improvement in processing technics and modernization of existing production facilities which have made it possible to offset increasing costs of freight and handling.

Maleic Anhydride—Outlet to malathion continued to thrive, according to report of sources contacted last week. The malathion market has grown steadily in the past two years and the material was said to be gradually replacing a number of older insecticides. The good potential for malathion was felt to be one of the factors leading to the recent decision of a major chemicals supplier to build a new maleic anhydride unit with expected capacity of about 14 million pounds per year. A good part of the output of this plant was expected to be for captive use.

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Soap Case in Lather

—Continued from page 3

sought were, of course, sufficiently established. If the grand jury transcript were made available, discovery through dispositions, which might involve delay and substantial costs, would be avoided. Yet these showings fall short of proof that without the transcript a defense would be greatly prejudiced or that without reference to it an injustice would be done."

While concurring with the majority, Justice Whittaker suggested that a rule be established that when a grand jury fails to return a true bill, its proceedings should be sealed and impounded by the clerk of the court and be made subject to inspection by any party to a civil suit only upon order of the court.

Agreed With Companies

He agreed with the companies that the government's purpose in conducting the grand jury investigation was to obtain, ex parte, direct or derivative evidence for its use in the civil suit. While the district court made no finding of such a fact, Justice Whittaker said that "it is obvious that such could be, and probably has often been, the real purpose of grand jury investigations in like cases."

A comment was immediately forthcoming from Howard J. Morgens, president of Procter & Gamble, who said:

"In effect the supreme court's action returns this case to the district court where it began in 1951. As we stated then, we are confident of our ability to prove in court that the soap industry has traditionally been one of the most competitive in the country and that the charge of restraint of competition in the soap industry is baseless."

Chemical, Construction

—Continued from page 5

need for adequate communications between the chemical and building industries.

Here are some of the highlights from his presentation:

"Our goal well justifies any effort that may be called for. The $40 billion a year United States construction industry at present consumes about $150 million worth of plastics and resin materials annually. These materials go into construction materials and products valued somewhere between half a billion dollars and just over $1 billion. (The larger approximation includes surface coatings.)

"The more closely we can manage to understand the construction industry and its problems, and the better it appreciates the qualities of our products, the more will the problems of building be answered by the use of synthetic materials. With good communications established first, I am convinced that a profitable market in building will continue growing at a rate to equal or exceed our most ambitious predictions."

Moisture-Proofing Paper

Neil L. Catton, neoprene sales development manager in the elastomer chemicals department of E. I. duPont de Nemours & Co., presented a paper on "New Materials in Structural Moisture-Proofing."

He pointed out that these involved barriers for walls, floors and ceiling construction, generally in the class of film materials, and crack fillers and joint sealing materials.

In the latter category, he noted, are two types: 1. Caulking materials or mastics and in many cases a combination caulk or space filler and an adhesive and 2. Preformed engineered gaskets.

Prof. Glenn H. Beyer, director of the Housing Research Center at Cornell University, spoke on "Human Problems and Building Trends." He discussed the needs and desires from the individual consumer's standpoint, and emphasized the sociological and psychological aspects of the needs of the individual.

D. W. Maher, merchandising manager of the adhesives and coatings division of Minnesota Mining & Manufacturing Company, described developments in the adhesives industry. He commented on the increasing use of adhesives in the construction industry and the advantages they offer.

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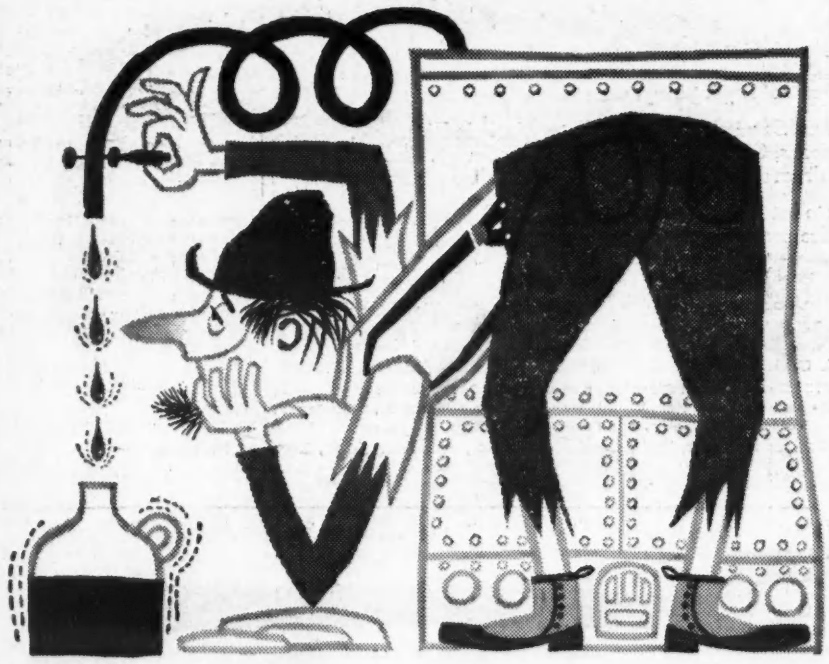

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Aliphatic Organics

A spokesman for a large volume producer of organic chemicals reported recently that business volume in April and May was appreciably better than any month in the first quarter. And as far as he was concerned, this was some indication that business was pulling out of the recession. It also provided him with sufficient grounds for cautious optimism about sales volume in the final half of the year. Other trade members reported a similar improvement in buying and frequency of orders in May though not all found demand equally as active in April.

Reasonably good business is anticipated during the remainder of June. Inventories have been cutback severely in many chemical consuming industries, trade sources point out, and thus buying will have to continue at a moderate level if normal operating stocks are to be maintained. No switch from the general 30-day buying policy is thought likely, however. But the picture darkens in July when the simultaneous shutdown of many plants will begin the summer business doldrums.

A major producer announced a reduction in methanol prices, effective June 1, and at the same time abandoned f.o.b. plant and terminal pricing in favor of an all-delivered price schedule. Early last week, a second large volume producer stated that it would continue to maintain a terminal price structure.

The latter firm's previous east coast terminal price of 29½ cents was reduced to 25 cents per gallon, f.o.b. terminal (minimum 4,000 gallons). A west coast terminal price of 31 cents was revised to 29 cents per gallon, same terms.

It was the consensus among trade sources following the reduction in formaldehyde prices that the methanol schedule would be the next to get the ax. Now the question of paramount interest is whether or not lower methanol prices will start a chain reaction, bringing about price changes for allied chemicals.

The quote on crude glycerine saponification for eastern delivery last week was said to be 17.60 cents per pound. Soaplye was called 16 cents, imported crude 16½ cents. Trading, reportedly, was slight though consumption was at a good level. Heavy demand for glycerine in Europe appeared to be tapering off, according to one man in the trade.

Acetone—The slight week to week improvement in auto output has occasioned some optimistic thinking among trade members. They readily admit, of course, that no sharp rise in acetone sales can be expected immediately but feel that the way is being paved for better business in the fourth quarter.

Buying, for the most part, is limited to a 30 day basis. Thus, suppliers are faced with very adequate inventories. Prices are thought firm.

Acetonitrile—The market for this specialty solvent is steady but featureless. Prices remain firm at 45c. per pound, drums carlots, works, and 45.75c. per pound for less than carlot quantities.

Amyl Acetate—In the years prior to World War II, this chemical was widely used as a solvent in lacquers and other coatings materials. Another application that grew to sizable proportions came with the advent of penicillin manufacture when large quantities of amyl acetate were required to extract penicillin from fermentation broth. However, in recent years, other solvents have replaced amyl acetate in lacquer formulation. As a result, production naturally has continued to fall off.

A few months back there were reports that prices were being shaded—especially for export. But there have been no official changes in domestic posted prices to date. The tankcar price on amyl acetate ex pentane remains at 16½c. per pound, the drum carlot at 19c. and the less carlot at 20c. per pound. All quantities are quoted on a delivered basis.

Butadiene—Buying interest is limited and confined to actual requirements. Supplies, on the other hand, tend to be cumbersome, market observers mentioned recently. In fact, one producer with an estimated annual capacity of 65,000 short tons recently halted production for an indefinite period of time. Price structure continued as established last February when quotations were shaved slightly.

Butyl Acetate—Protective coatings requirements have been confined to relatively small quantities, principally for immediate needs. Sources said that a slight improvement in the market picture was detected in May.

More than 3½ million pounds were exported in February and overseas shipments since that time, reportedly, have also been in large volume.

Producers, according to diverse accounts, do not contemplate any changes in the price pattern.

Glycerine—Prices last week were said to be 17.60c. per pound for saponification crude, 16c. for soaplye. Imported crude was quoted at 16½c. per pound, c.i.f.

Only limited quantities of crude have been imported in recent weeks. Exports of refined glycerine have been steady and in volume, however. This was principally due to heavy European demand which was reported to be settling down last week.

Isopropyl Alcohol—Consumption of this material declined correspondingly with the reduced output of acetone in February and March. No upturn is anticipated until solvent requirements increase.

Supplies are adequate. Prices are thought steady. In tankcar quantities, 91 percent grade refined IPA is listed at 37c. per gallon.

Methanol—While one producer has abandoned f.o.b. terminal and plant pricing in favor of an all-delivered price structure, another supplier announced last week that it intended to continue to maintain a terminal price structure.

The latter firm's previous east coast terminal price of 29½c. per gallon f.o.b. bulk, terminal (minimum 4,000 gallons) has been reduced to 25c. per gallon. Its west coast terminal price of 31c. has been lowered to 29c. per gallon, same terms.

It is hoped that reduced prices will serve as an impetus to methanol sales, lagging of late due to the general industry slowup.

Methyl Bromide—Buying both domestically and for export has improved recently and the trade anticipates a good volume of sales during the next few months. Stocks are ample, prices relatively firm.

Methyl Ethyl Ketone—The solvent demands of protective coatings manufacturers have been fairly limited to date. However, the recent improvement in auto output—slight as it may be—is some indication that demand for MEK and other solvents used extensively in automotive lacquers will increase in the next few months, trade sources remarked recently.

It was mentioned recently that solvent sales in the first part of April led people to conclude that business during that month would be better than was hoped for earlier. But as the month progressed, business volume tapered off appreciably and final sales figures did not live up to expectations. May business, however, while not what it could or has been in other years, was nonetheless superior to that of the months just preceding. Some in the trade anticipate that the sales curve will continue its uphill climb in June.

Molasses—Markets for feeding cane molasses were steady during the week ended June 3, Agricultural Marketing Service reported. Prices throughout the nation were mostly unchanged. Shipments were reported lagging only slightly behind last year and were largely against contracts made earlier in the season. New business was generally slow.

Cuban blackstrap production is expected to be practically completed by around June 15, according to trade re-

—Continued on page 55

Price Trends

Advanced

None

Reduced

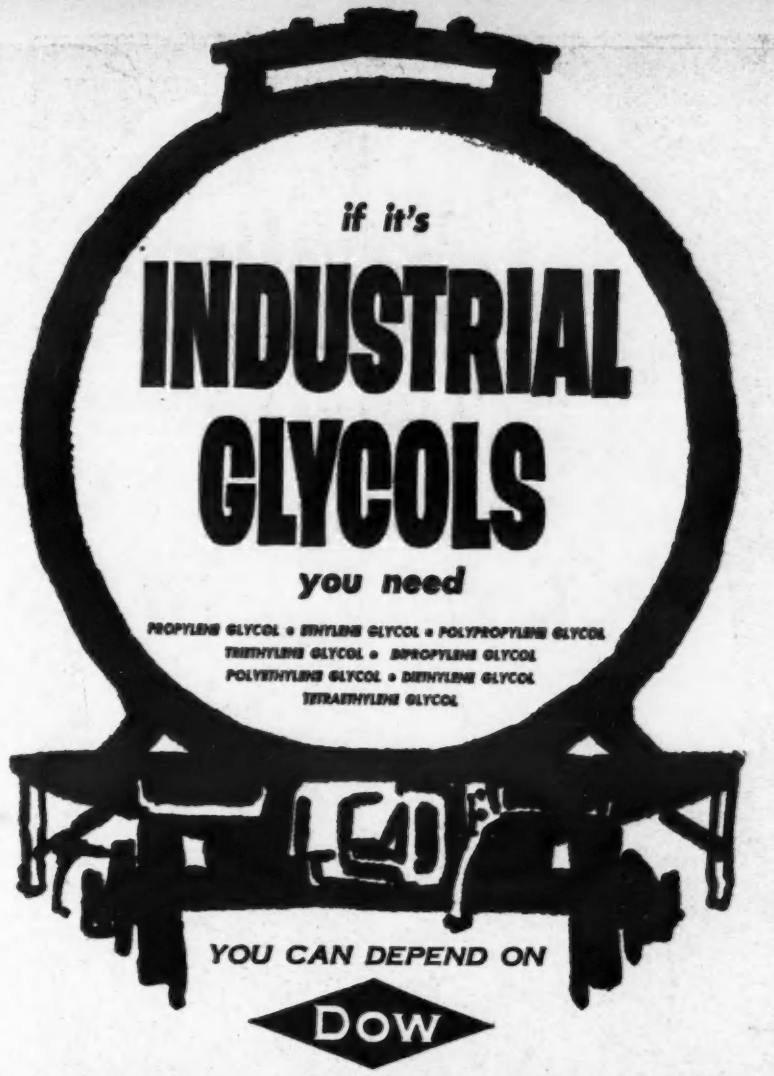
Methanol, t.c., dlvd. zone 1, 6c. per gal.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	June 7, 1957
131.12	131.19	131.27	131.17

For Current Prices See Page 9



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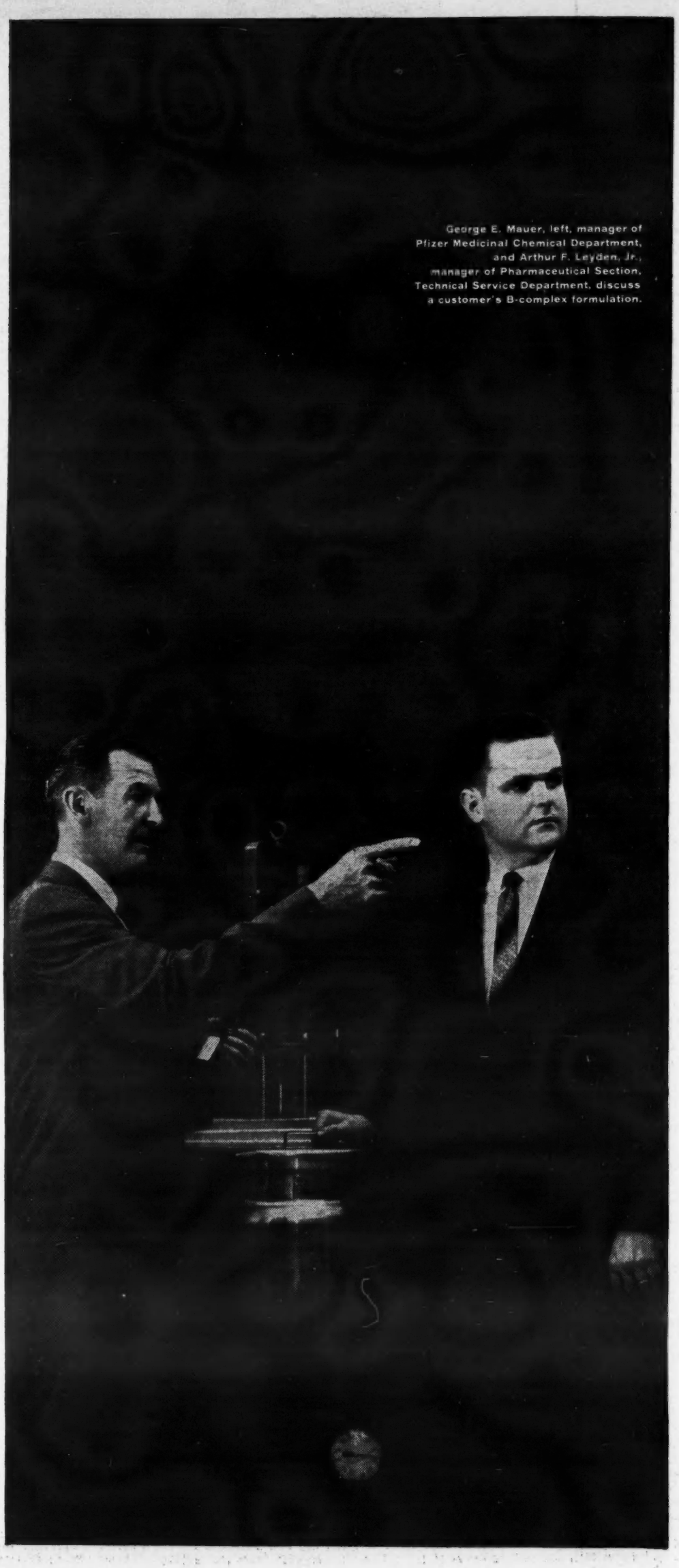

George E. Mauer, left, manager of Pfizer Medicinal Chemical Department, and Arthur F. Leyden, Jr., manager of Pharmaceutical Section, Technical Service Department, discuss a customer's B-complex formulation.

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Drugs, Fine Chemicals

Trading in drugs and fine chemicals markets continued at a moderate pace with added strength noted in those bulk items moving to the beverage industry. Among the latter were citric and ascorbic acids, caffeine and sodium benzoate. Vitamins markets were steady after the reduction in pyridoxine two weeks ago. Import pressure on Vitamin C was still in evidence, but was considered of minor importance in the overall market picture.

dl-Lysine was unchanged in price from the previous quotation of $12 per kilo as compared to the recently established price of $8 per kilo on l-lysine. It remained uncertain as to what action would be taken on the dl-lysine price.

Iodides were moving in fair volume to feed outlets. Pharmaceutical use has continued to slide in recent years. There appeared to be a growing outlet for iodine in the electronics industry, but this remained largely a matter for speculation among chemical salesmen. The adjustment on iodide salts prices last month was felt to have contributed a stabilizing influence on the unsettled trading conditions in effect for many months previous.

Monosodium glutamate was steady at $1.07 per pound, any quantity. The currently held price has been stable since late November after a succession of reductions during 1957 which saw the price decline from $1.23 per pound. Use of this flavor enhancer has continued on the increase, but rapid-fire additions to productive capacity both here and abroad have led to a tight competitive battle for an estimated 20 million pounds of business each year.

Gluconates were firm and unchanged. The reductions in gluconic acid and technical sodium gluconate in May were felt to be the result of competitive conditions in the industry. It was felt there would be no changes in gluconate salts, which moved up 2 cents to 5 cents per pound last November in response to increased operating and handling costs.

Ascorbic Acid—Trading remained brisk for Vitamin C with a continued upturn in interest noted from accounts in the beverage industry. Listings of major producers were unchanged from the $10 per kilo quotation in effect for many months. Last price change in this market was the $2 per kilo decline in late September of last year. Import pressure continued in evidence, according to some reports, but it was felt to be a minor consideration in the overall market picture.

Bromides—Market was quiet. Withdrawals for use in sedatives and in combination with tranquilizer drugs remained steady at a moderate volume. Volume of materials moving to pharmaceutical outlets for use in analgesic and antipyretic preparations continued to show a seasonal decline. Prices were unchanged from previous report. Last price action in these markets was the 2c. per pound advance on sodium, ammonium and potassium bromides in February of last year. Other lesser used salts were also advanced at that time.

Citric Acid—Producers reported a good upturn in trading for accounts in the beverage industry. Total market volume has been estimated at upwards of 60 million pounds per year valued at about $16.5 million. Price was unchanged from levels in effect for many months.

A pharmaceutical producer announced plans for construction of a $4.5 million dollar expansion in citric acid facilities in the midwest. Construction was slated to begin late this summer and be completed in approximately a year.

Iodides—Pharmaceutical uses in recent years have given ground under the onslaught of a variety of newer materials. Feed business has shown the most activity. A recent adjustment of producers' price lists brought some semblance of order to a chaotic price situation on iodides in evidence for many months. Added use of iodine in the electronics industry showed some promise, but was a question mark, as yet.

Lysine—The market was steady after the sharp reduction of $4 per kilo on l-lysine monohydrochloride two weeks ago. Makers of dl-lysine quoted price at $12 per kilo, unchanged from previously reported levels. It was uncertain what action, if any, would be taken in this quarter.

Mercurials—Listings long in effect were unchanged, according to report of major pharmaceuticals sources contacted last week. Market was weak and withdrawals by consumers in the pharmaceutical field have tapered off with the approach of warmer weather.

Bureau of Mines report indicated 350 flasks of mercury consumed in the first quarter for use in pharmaceuticals while 313 went to dental preparations and 303 for general laboratory use. Consumption for pharmaceutical use last year, the Bureau said, was 1,751 flasks as compared to 1,371 for dental preparations and 894 flasks for general laboratory use during the year.

Methapyrilene—Demand for this material was said to be continuing on the increase from pharmaceutical houses for use in incorporation into sedatives and sleeping tablets. Methapyrilene hydrochloride and scopolamine hydrobromide have been used in combination and were said to be as effective in inducing sleep as the maximum safe dose of phenobarbital. Material was said to be free from hangover and side reactions even in older people, who are most frequently troubled with insomnia.

Monosodium Glutamate — Price was steady and unchanged at $1.07 per pound, any quantity. Volume was on the increase although production capacity has outrun consumption in recent years. The development of intensified competitive conditions has forced the price of this material down from $1.23 to the currently held $1.07 in little over a year.

Niacin—Demand continued poor. Price was weak as has been the case for many months. Current productive capacity was felt to be fully adequate for trade needs. Output in the first three months of the year was approximately 100,000 pounds less than in the comparable period last year. Recent studies have indicated that niacin is involved in the initial phase of reduction of nitrate to the ammonia level where it is combined into proteins and amino acids.

Penicillin—Demand continued to slide off for penicillin salts as a result of seasonal slackening in needs by pharmaceutical outlets. Stocks of bulk material were readily available from major producers. Listed prices were unchanged from previous reports.

Piperazine—Truckload listing remained at $1.95 per pound while l.t.l. quote was $2 per pound. Price schedule of a major producer listed piperazine hexahydrate, 44%, at 88c. per pound in truckload quantity while citrate, 36%, same quantity, was $1.07 per pound and phosphate, 42%, in truckload lots was also $1.07 per pound. Price on 51% dihydrochloride, in truckload quantity, was $1.30 per pound. Market was routine, stocks were adequate.

Silver Salts—These markets continued to reflect the steady tone of silver bullion over recent months. There was reported to be a fairly good volume of trading in silver nitrate for accounts in the photographic industry.

Sodium Gluconate—Market was steady after the ¾c. per pound across the board reduction on technical material last month. Technical gluconic acid showed a 3½c. per pound decline in May also. Refined sodium gluconate and other gluconates remained unchanged in price. Trade sources felt there was not likely to be further changes in other gluconates since the reductions were made primarily to meet a competitive situation. The major gluconate salts were raised 2c. to 5c. per pound last November to offset increased costs, it was said.

Tartrates—Prices were unchanged and steady at prevailing levels. There have been reported flurries of buying since the

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	June 7, 1957
63.13	63.13	63.21	63.84

For Current Prices See Page 9

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Drugs, Fine Chemicals

first of the year and May was accounted a satisfactory month by major producers. Industrial uses continued to slide off from last year's levels with pharmaceutical and food uses being well held and current ones showing seasonal gains, it was said.

Botanicals

Consuming interest in crude drug markets remained on the slow side. New crop influences on some large volume domestic items exerted a downward pressure and inquiry for export has hit a decline in recent weeks.

Orange peel, sweet, was firmer in price as a result of tightening supplies resultant from a poor crop at primary centers. Nux vomica scored minor gains with whole being quoted at 12 cents per pound. Ipecac root was steady at $9 for root. More root was available but the market remained very tight. Purified papain was quoted at $10 to $12 per pound. Prices have been nominal for many weeks past as a result of extreme scarcity of quality material. Rauwolfia serpentina, whole root, was easier and material was freely available at $1 per pound, it was said. There was some reported success in the use of whole root in the treatment of certain cases of malnutrition where patients had failed to respond to vitamin and hormone therapy.

Ipecac Root—More material was coming into the market, but ipecac was still in very tight supply. Quotation on whole was $9 per pound while listing for powder remained at $10.50 per pound.

Nux Vomica—Whole nux was firmer at 12c. per pound while powder was 18c. Volume moving to accounts in the veterinary field was steady at a low level.

Orange Peel—Sweet was firmer at 25c. to 30c. per pound as a result of tightening supplies and poor crop at primary centers. Consuming interest was moderate.

Papain—Purified was quoted ranging from $10 to $12 per pound. Prices have been nominal in the past due to extreme scarcities of good quality material being offered.

Psyllium Seed—Blonde ranged from 16c. to 18c. per pound while black was 32c. to 34c. and husks were quoted at 39c. per pound. Market was quiet. Stocks were adequate for the current modest requirements of the trade.

Rauwolfia Serpentina — Material was freely available, according to report of sources contacted last week. Price had weakened and material was quoted at $1 per pound.

Samuel Appoints Sternheim

Frank Samuel & Co. of Philadelphia and New York has appointed Gerald E. Sternheim vice-president. Mr. Sternheim, who is the manager of the chemical division, has for the last seven years occupied the post of assistant vice-president. Chemical division of Frank Samuel & Co. distributes pharmaceutical raw materials to manufacturers of ethical and non-proprietary pharmaceuticals in this country.

Monsanto Organics Division To Shift Sales Executives

Monsanto Chemical Company's organic chemicals division, St. Louis, Mo., will make several key executive shifts in its sales department on June 15.

Herbert S. Parham, an assistant director of sales, will become a director of sales for the division. He will fill a vacancy created by the appointment of William M. Russell as assistant general manager of Monsanto's overseas division (see cut and caption on page 3).

J. Paul Ekberg, jr., Los Angeles district sales manager, will become assistant director of sales in the organics unit succeeding Mr. Parham.

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Aliphatic Organics

—Continued from page 51

ports. This season's blackstrap production by sugar cane grinding plants through May 31 is unofficially reported at 220 million gallons.

Puerto Rican producers contracted to sell an estimated 1.3 million gallons of 1958 crop blackstrap molasses at 13c.-14c. per gallon, gross price, delivered to Puerto Rican port, AMS said.

Nitromethane—Bulk shipments of nitromethane were suspended a week ago today by a major producer, pending the outcome of official investigations into an explosion and fire which involved several cars, including a tank car of nitromethane on the tracks of the Illinois Central Railroad at Mt. Pulaski, Ill., June 1.

Propionic Acid—Conditions in this area of the overall organic chemicals market continued unchanged last week. Buying was relatively steady though this material is at no time a large volume mover. Prices were firm at 20.75c. per pound, tankcars, 23.25c. per pound, carlots, and 24.25c. for less than carlot quantities.

Sorbitol—A broad spectrum of end-uses including applications in the pharmaceutical, cosmetic, and food industries guarantees at least moderate demand for this material the better part of the time. So far second quarter business has been reported to be well sustained and in line with earlier predictions. The price structure is considered firm.

1,1,1,-Trichloroethane—Effective May 26, prices were reduced one cent per pound across-the-board. As a result, the tankcar price became 12.75c. per pound, the carlot 13.75c., and the less carlot 16.75c. per pound. It was said that increased demand for the solvent in many industries has made possible volume production, thus cutting operating costs sufficiently to permit the producer to revise prices.

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13 dms, Geigy Chemical Corp, Bremerhaven
29 dms, Hensel Bruckmann & Lorbacher, Bremen
64 dms, Rotterdam
ANISE SEED—50 bgs, Alicante
ANNATTO SEED—93 bgs, Foreign Domestic Distributors, Rio de Janeiro
128 bgs, Marcel Calvet, Colombo
230 bgs, Chr Hansens Lab, Cabedelo
225 bgs, First National Chicago, Arica
193 bgs, Manufacturers Trust Co, Callao
52 bgs, Callao
158 bgs, London
ANTIMONY OXIDE—500 bgs, Harshaw Chemical Co, Hull
ANTIMONY REGULUS—170 cs, C Gitlan, Antwerp
ARGOLS—2,015 bgs, Tartaric Raw Materials, Casblanca
BARIUM CHLORIDE—400 bgs, Interstate Universal Inc, Rotterdam
331 bgs, Hamburg
BARIUM SULFATE—100 dms, Picker X-Ray Corp, London
BASIL LEAVES—14 bls, Louis Furth, Marseille
BAY OIL—1 dm, Citrus & Allied Essential Oil Co, Roseau
2 dms, Polarome Manufacturing Co, Roseau
BEEF EXTRACT—153 cs, Tupman Thurlow, Buenos Aires
200 cs, Cap Sales Corp, Buenos Aires
30 cs, John Thallon & Co, Brisbane
BEESWAX—285 bgs, International Commodities Corp, Valparaiso
20 bgs, Lenape Trading Co, Havana
50 bgs, Porcella Vicini & Co, Puerto Plata
150 bgs, Guaranty Trust Co, Lisbon
100 bgs, Duncan Fox & Co, Talcahuano
42 bgs, Parker-Wansley Trading Corp, Valparaiso
14 bgs, Lenape Trading Co, Santiago
54 bgs, Santiago
24 bgs, Havana
BENZOIN GUM—81 bdls, Meer Corp, Singapore
26 cs, Bangkok
BERGAMOT OIL—4 hf cs, National City Bank, Messina
60 qu cs, Grace National Bank, Messina
4 hf cs, Tombarel Products Corp, Messina
28 hf cs, Messina
BISMUTH—19 cs, Callao
BLEACHING POWDER—150 dms, Chemical Manufacturing Co, Liverpool
BONE CHARCOAL—100 bgs, Riches Nelson, Rotterdam
BUCHU LEAVES—20 bls, Meer Corp, Capetown
BUTTONLAC—50 bgs, Colony Import & Export Corp, Calcutta
CALCIUM OXIDE—2 dms, Rotterdam
CAMPHOR—5 cs, International Trading Co, Keelung
13 cs, Keelung
CARAWAY SEED—200 bgs, Louis Furth, Rotterdam
200 bgs, Rotterdam
CARBON FERROMANGANESE—63 dms, Minerals & Chemicals Ltd, Yokohama
CARBON TETRACHLORIDE—300 tons, Antwerp
CARNAUBA WAX—333 bgs, M Argueso & Co, Fortaleza
111 bgs, Frank B Ross, Fortaleza
CASEIN—4,500 bgs, Borden Chemical Co, Buenos Aires
507 bgs, Asmus Bros, Hamburg
1,000 bgs, Tupman Thurlow, Buenos Aires
600 bgs, Pacific National Bank, Melbourne
1,000 bgs, Eugenio Lang, Buenos Aires
250 bgs, Irving Trust Co, Ponta Delgada
1,000 bgs, Montevideo
500 bgs, Hamburg
CASHEWNUT SHELL LIQUID—15 dms, Mangalore
CASSIA—49 bls, Rotterdam
CASTOR OIL—140 tons, Brazilian Industrial Oils, Fortaleza
245 tons, Salvador
250 tons, Recife
CHESTNUT EXTRACT—3,000 bgs, Barkey Importing Co, Genoa
CINNAMON BARK—641 bgs, Blyth Greene & Jourdium Ltd, Mombasa
178 bls, Kellys America Ltd, Rotterdam
325 bgs, Rotterdam
CINNAMON CHIPS—4 bls, Olson Importing Co, Colombo
467 bgs, Mincing Trading Corp, London
314 bgs, Kellys America Ltd, London
CINNAMON QUILLS—25 bls, Norwalk Mills, Colombo
CITRONELLA OIL—1,010 dms, L A Champon & Co, Keelung
36 dms, J F Frank, Tandjong Priok
COALTAR CREOSOTE—53 dms, J M Rodgers Co, Hull
COALTAR DYES—35 dms, Hensel Bruckmann & Lorbacher, Rotterdam
19 dms, Rotterdam
COCA LEAVES—125 bls, Maywood Chemical Works, Salaverry
COCONUT OIL—700 tons, American Trust Co, Zamboanga
COD OIL—100 dms, Scandinavian Oil Co, St Johns
CODLIVER OIL—100 dms, Dyson Shipping Co, Reykjavik
200 dms, J H Faunce, Reykjavik
114 tons, Dyson Shipping Co, Reykjavik
CORN STARCH—460 bgs, Rotterdam
CUBE ROOT—220 bgs, Foreign Domestic Distributors, Callao
CUTTLEFISH BONE—100 cs, Yokohama
100 cs, Kobe
DAMMAR GUM—140 bgs, S Winterbourne & Co, Singapore
DEHYDROACETIC ACID—18 dms, R J Saunders, Rotterdam
DEXTRIN—1,337 bgs, Stein, Hall & Co, Rotterdam
25 bgs, Manufacturers Trust Co, Rotterdam
250 bgs, Rotterdam
DICALCIUM PHOSPHATE—800 bgs, Wessel Duval & Co, Antwerp
DIMETHYLUREA—185 dms, BASF Inc, Rotterdam
DISODIUM MONOMETHYL ARSENATE—9 dms F L. Kraemer, Hamburg
EARTH COLORS—725 bgs, Naftone Inc, Bremen
220 bgs, Landers Segal Color Co, Rotterdam
10 dms, American Cyanamid Co, Rotterdam
450 bgs, Rotterdam
EUCALYPTUS OIL—3 dms, Magnus Mabee & Reynard, Sydney
52 dms, Seville
FISHLIVER OIL—13 dms, Mitsubishi International Corp, Yokohama
5 dms, Chase Manhattan Bank, Yokohama
FISHMEAL—2,205 bgs, Marine & Animal By Products Corp, Arica
FUEL OIL—110,691 bbls, Paragon Oil Co, Pointa Pierre
110,000 bbls, Hess Inc, Salvador
10,000 bbls, Asiatic Petroleum Corp, Curacao
348,000 bbls, Esso Export Corp, Aruba
106,892 bbls, Hess Inc, Pointa Pierre
119,129 bbls, Metropolitan Petroleum Corp, Aruba
225,000 bbls, Esso Standard Oil Co, Aruba
FULLERS EARTH—400 bgs, L A Salomon & Bro, London
FURFURAL—904 tons, E I duPont de Nemours & Co, La Romana
GALL, OX—3 dms, S Hutchinson & Co, Port Adelaide
GAMMA ACID—60 dms, L & R Organic Products, Rotterdam
GELATIN—63 cks, Hensel Bruckmann & Lorbacher, Rotterdam
200 bgs, Aries Co, Havre
100 bgs, T M Duche & Sons, Havre
50 bgs, Royal Bank of Canada, Rotterdam
300 bgs, Transatlantic Animal By Proucts Corp, Rotterdam
GLUE—70 bgs, Jung Forwarding Co, Liverpool
GLUESTOCK—130 bls, E S Stockwell, Casablanca
GLYCERINE—325 tons, Buenos Aires
GRAPHITE—30 bgs, National City Bank, Bremen
GUAR GUM—1,245 bgs, Stein Hall & Co, Bombay
GYPSUM, CRUDE—10,324 tons, U S Gypsum Co, Little Narrows
3,341 tons, Allied Chemical & Dye Corp, Halifax
300 bgs, L A Salomon & Bro, Liverpool
HYDROFLUORIC ACID—10 dms, Liverpool
IODINE, CRUDE—100 bbls, Bunge Corp, Yokohama
IPECAC ROOT—22 bgs, Independent Fur Brokers, Arica
6 bgs, Wessel Duval & Co, Cristobal
10 bdls, John Kelly Ltd, Barranquilla
6 bls, Dorf International, Barranquilla
IRON OXIDE—441 bgs, Reichard Coulston, Malaga
ISOBORNYL ACETATE—10 dms, Magnus Mabee & Reynard, Hamburg
KARAYA GUM—334 bgs, Block Drug Co, Bombay
60 bgs, Stein Hall & Co, Bombay
309 bgs, Morningstar Paisley Inc, Bombay
61 bgs, Colony Import & Export Corp, Bombay
LACTALBUMIN—440 dms, Chase Manhattan Bank, Rotterdam
LACTIC ACID—25 cbys, J M Rodgers Co, Rotterdam
LAUREL LEAF OIL, DISTILLED—1 cs, Fritzsche Bros, Trieste
LEMON PEEL—20 bgs, Meer Corp, Valencia
7 bls, Alicante
LEMONGRASS OIL—40 dms, Lenhardt & Brush, Puerto Barrios
LIVER POWDER—21 dms, Jacoberg Overseas Inc, Buenos Aires
20 bgs, Van Gelder Fanto Corp, Copenhagen
LOCUST BEAN GUM—100 bgs, Bank of N Y, Valencia
1,364 bgs, J L Quesada, Valencia
300 bgs, J L Quesada, Portimao
100 bgs, Meer Corp, Portimao
50 bgs, Nehls & O'Connel, Genoa
100 bgs, Colony Import & Export Corp, Hamburg
300 bgs, P A Dunkel, Rotterdam
100 bgs, T M Duche & Sons, Rotterdam
100 bgs, T M Duche & Sons, Portimao
224 bgs, Stein Hall & Co, Genoa
LOGWOOD EXTRACT—60 dms, American Dyewood Co, Kingston
MAGNESIUM CARBONATE—1,400 bgs, Reheis Co, Liverpool
20 cs, Le Curto & Funk, Antwerp
MAGNESIUM SILICATE—50 dms, London
MALALEUCA OIL—3 dms, Magnus Mabee & Reynard, Sydney
MATTE TEA—44 cs, D C Andrews, Paranagua
MENTHOL—67 cs, Fritzsche Bros, Buenos Aires
10 cs, Magnus Mabee & Reynard, Keelung
100 cs, Bemo Shipping Co, Rio de Janeiro
51 cs, North American Continental Co, Santos
50 cs, Consumers Import Co, Santos
250 cs, Rio de Janeiro
MOLASSES—1,032 tons, W R Grace & Co, Salaverry
MONOCHLOROACETIC ACID—40 dms, Bremen
MONTAN WAX—160 bgs, Cornelius Wax Refining, Rotterdam
NAPHTHALENE—1,624 bgs, Standard Naphthalene Products, Liverpool
2,187 bgs, Rotterdam
NAPHTHENIC ACID—90 dms, Imperial Oil Ltd, Barranquilla
3,994 bbls, Esso Standard Oil Co, Aruba
NUTMEG—150 bgs, Chemical Bank, Grenada
50 bgs, Royal Bank of Canada, Grenada
NUX VOMICA—118 bgs, London
OCOTEA CYMBARUM OIL—120 dms, Ernst Roth & Co, Itajai
50 dms, American Metagraph Co, Santos
OLIVE OIL—36 dms, Chase Manhattan Bank, Malaga
80 dms, Swiss Credit Bank, Seville
44 dms, National City Bank, Seville
103 dms, M De Rosa Inc, Piraeus
36 dms, Manufacturers Trust Co, Piraeus
OLIVE OIL—23 dms, D Sclafani, Piraeus
361 dms, Swiss Credit Bank, Rethymnon
52 dms, Manufacturers Trust Co, Rethymnon
156 dms, J D Nicolaou, Piraeus
200 dms, Hanover Bank, Seville
50 dms, Manufacturers Trust Co, Seville
27 dms, Asaro Bros, Palermo
15 dms, Musco & Co, Palermo
56 dms, Uddo & Taormina Co, Palermo
25 dms, Manufacturers Trust Co, Barcelona
100 dms, Irving Trust Co, Malaga
52 dms, Hanover Bank, Malaga
52 dms, Malaga
ORANGE PEEL—15 bgs, Cap Haitien
OXYNITROPHENYLARSENIC ACID — 40 cks, Havre
PALMKERNEL OIL—150 dms, B M T Commodity Corp, Rotterdam
200 tons, Durkee Famous Foods, Matadi
200 tons, Matadi
299 tons, Ango Ango
69 dms, Rotterdam
PAPAIN—40 cs, National City Bank, Dar es Salaam
22 cs, Empire Trust Co, Dar es Salaam
34 cs, Bemo Shipping Co, Mombasa
30 cs, S B Penick & Co, Mombasa
30 cs, Mombasa
PAPRIKA—200 bgs, Wm E Martin & Sons, Alicante
75 bgs, H Marmorek & Son, Alicante
300 bgs, R T French, Alicante
200 bgs, Irving Trust Co, Rotterdam
300 bgs, R F Downing, Alicante
150 bgs, Gallagher & Ascher, Alicante
75 bgs, J H Elton, Alicante
200 bgs, A A Sayia, Alicante
525 bgs, Alicante
200 bgs, Rotterdam
PAPRIKA EXTRACT—43 dms, Alicante
PEANUT OIL—561 tons, Buenos Aires
PEATMOSS—350 bls, Trans Sphere Trading Co, Bremen
1,050 bls, Bruco Peatmoss Corp, Bremen
1,000 bls, Premier Peatmoss Corp, Dublin
500 bls, New Amsterdam Import Co, Glasgow
1,000 bls, E Dunwoody, Bremen
5,080 bls, Premier Peatmoss Corp, Bremen
1,000 bls, Ascot Peatmoss Corp, Bremen
7,000 bls, J E Bernard, Bremen
1,400 bls, J E Bernard, Aarhus
2,020 bls, New Amsterdam Import Co, Aarhus
PEPPER, BLACK—200 bgs, East India Trading Co, Singapore
140 bgs, A G Dunn, Singapore
140 bgs, Daarnhower & Co, Singapore
160 bgs, A G Dunn, Colombo
140 bgs, Singapore
PEPPER, RED—250 bgs, M J Golombeck, Yokohama
PEPPERMINT OIL—1 cs, Dorf International, London
PERCHLOROETHYLENE—187 tons, Antwerp
PETITGRAIN OIL—11 dms, Hollander Trading Corp, Buenos Aires
PETROLEUM, CRUDE—254,594 bbls, Phillips Petroleum Co, Puerto La Cruz
a-PICOLINE—55 dms, Industrial Chemical & Dye Co, Manchester
PIMENTO—48 bgs, Fritzsche Bros, Kingston
PIMENTO LEAF OIL—1 dm, Dodge & Olcott, Kingston
1 dm, Kingston
POLLACKLIVER OIL—20 dms, Wilbur Ellis Co, Yokohama
100 dms, Interocean Chemical & Minerals Corp, Yokohama
50 dms, Mitsubishi International Corp, Yokohama
POLYVINYL CHLORIDE—1,000 bgs, Toyomenka Inc, Yokahama
POPPYSEED—100 bgs, Louis Furth, Rotterdam
700 bgs, Rotterdam
PRUSSIAN BLUE—10 dms, Smith Chemical & Color Co, Rotterdam
PSYLLIUM SEED HUSKS—174 bgs, T M Duche & Sons, Bombay
PYRETHRUM EXTRACT—60 dms, McLaughlin Gormley King Co, Matauf
45 dms, Matadi
50 dms, Mombasa
PYRETHRUM FLOWERS—110 bls, P H Petry, Puna
125 bls, E R Squibb & Sons, Mombasa
200 bls, Prentiss Drug & Chemical Co, Rejika
PYRIDINE—60 dms, H A Gogarty, Liverpool
PYRITES—199 cks, American Metal Climax, Leixoes
QUEBRACHO EXTRACT—508 bgs, International Products Corp, Buenos Aires
1,105 bgs, First National Chicago, Buenos Aires
9,469 bgs, Montevideo
100 bgs, Glasgow
QUINIDINE SULFATE—20 dms, Hamburg
QUININE SULFATE—20 dms, Hamburg
RHODAMINE-B—18 dms, General Aniline & Film Corp, London
RICE STARCH—230 bgs, Aurora Manufacturing Co, Trieste
ROSEMARY OIL—12 dms, Seville
RUTILE—1,600 bgs, International Titanium Corp, Brisbane
RUTIN—4 dms, S B Penick & Co, Sydney
37 dms, Meer Corp, Sydney
SACCHARIN—30 dms, H A Gogarty, Rotterdam
SAGO FLOUR—283 bgs, Manhattan Adhesives Corp, Singapore
R-SALT—16 dms, Antwerp
SEEDLAC—200 bgs, Colony Import & Export Corp, Calcutta
250 bgs, C H Timm, Bangkok
250 bgs, Bangkok
SENNA CONCENTRATE—8 cs, Bard Pharmaceuticals, Southampton
7 cs, Bard Pharmaceuticals, London
SESAME SEED—125 bgs, Louis Furth, San Juan del Sur
250 bgs, R J Spitz, San Juan del Sur
SHELLAC—27 dms, F H Paul & Stein Bros, Rotterdam
SILVER NITRATE—11 cs, Conray Products Co, Bremen
SOAPBARK—113 bls, P H Petry, Talcahuano
SODIUM ALGINATE—10 dms, T M Duche & Sons, Glasgow
SODIUM ALUMINATE—100 dms, Chemical Manufacturing Co, Liverpool
SODIUM BICARBONATE—500 bgs, Chemical Manufacturing Co, Liverpool
SODIUM CYANIDE—280 dms, American Cyanamid Co, Liverpool
10 dms, Chemical Manufacturing Co, Hull
500 dms, Chemical Manufacturing Co, Liverpool
SODIUM FERROCYANIDE—400 bgs, Hudson Shipping Co, Antwerp
SULFUR, CRUDE—2,500 tons, Armour Fertilizer Works, Coatzacoalcos
SUMAC EXTRACT—50 cks, Glasgow
TALC—4,985 bgs, Charles Mathieu, Genoa
TANKAGE—360 bgs, Tupman Thurlow, Rio Grande
TAPIOCA—300 bgs, Manhattan Adhesives Corp, Itajai
330 bgs, Bernco International, Itajai
125 bgs, Geismar & Co, Itajai
TAPIOCA FLOUR—895 bgs, Stein, Hall & Co, Bangkok
1,750 bgs, American Key Products, Itajai
500 bgs, Stein, Hall & Co, Itajai
2,762 bgs, Stein, Hall & Co, Kohsichang
2,800 bgs, Morningstar Paisley Inc, Itajai
TARTARIC ACID—300 kgs, Byron Chemical Co, Palermo
200 kgs, Nylos Trading Co, Palermo
200 kgs, Palermo
THYME—50 bgs, Merchants Bank N Y, Alicante
79 bls, Louis Furth, Marseille
TITANIUM DIOXIDE ANATASE—884 bgs, Nylos Trading Co, Genoa
TITANIUM DIOXIDE, RUTILE—45 bgs, Nylos Trading Co, Genoa
TOLU BALSAM—25 cs, Magnus Mabee & Reynard, Barranquilla
25 cs, Barranquilla
11 dms, Wessel Duval & Co, Cristobal
TRICHLOROETHYLENE—50 dms, Chemical Manufacturing Co, Liverpool
TRICHLOROSILANE—2 cs, R L Swearer Co, Hamburg
TUNG OIL—250 tons, Buenos Aires
6,500 tons, Buenos Aires
ULTRAMARINE BLUE—50 bgs, Whittaker Clark & Daniels, Hull
UREA, SYNTHETIC—2,000 bgs, Chemical Manufacturing Co, Hull
VANILLA BEANS—38 cs, Norda Essential Oil & Chemical Co, Vera Cruz
6 cs, Zink & Trieste, Roseau
10 cs, Marine Midland Trust Co, Cristobal
10 cs, Cristobal
VETIVER OIL—2 dms, L A Champon & Co, Port Au Prince
2 dms, John D Walsh Co, Port Au Prince
VINYL ACETATE—1 dm, Chemstrand Corp, Liverpool
WAX—100 bgs, Wax & Rosin Products, Bremen
251 cs, H A Gogarty, Glasgow
WHITING—600 bgs, Hammill & Gillespie, Hull
1,200 bgs, Pluess Staufer, Antwerp
WOOL GREASE—500 dms, Olympic Shipping Co, Hull
ZINC CHROMATE—80 bgs, Antwerp
ZINC CYANIDE—50 dms, Chemical Manufacturing Co, Hull
ZIRCON—1,200 bgs, International Titanium Corp, Brisbane

Los Angeles

CINNAMON BARK—372 bgs, Mincing Trading Corp, London
CODLIVER OIL—10 dms, Peder Devold Oil Co, Bergen
EARTH COLORS—675 bgs, Naftone Inc, Bremen
FISHLIVER OIL—5 dms, Mitsubishi International Corp, Yokohama
IRON OXIDE—89 bgs, London
LOCUST BEAN GUM—100 bgs, Thurston & Braidich, Bremen
MOLASSES—10,462 tons, Pacific Molasses Co, Corinto
PETROLEUM, CRUDE—292,275 bbls, Union Oil Co, Mena Al Ahmadi
141,603 bbls, Douglas Oil Co, La Salina
123,607 bbls, MacMillan Petroleum Corp, Punta Cardon
POLYVINYL CHLORIDE—30 bgs, A Schulman, Bremen
TAPIOCA FLOUR—2,128 bgs, Stein Hall & Co, Bangkok
1,362 bgs, Geismar & Co, Bangkok
1,500 bgs, Bangkok

Philadelphia

ASBESTOS FIBER—1,000 bgs, Ruberoid Co, Lourenco Marques
1,000 bgs, Chas Kurz Co, Lourenco Marques
CRESYLIC ACID—100 dms, Concord Chemical Co, Rotterdam
FUEL OIL—131,917 bbls, Esso Export Corp, Aruba
GRAPHITE—400 bgs, Asbury Graphite Mills, Tamatave
GYPSUM, CRUDE—11,595 tons, National Gypsum Co, Halifax
IRON OXIDE—2,206 bgs, American Chemical & Pigment Co, Malaga
LOCUSTBEAN GUM—100 bgs, H P Rossiger, Bremen
MOLASSES—864,012 gals, Publicker Co, Havana
NAPHTHA—128,218 bbls, Texas Oil Co, Trinidad
OLIVE OIL—53 dms, Manufacturers Trust Co, Barcelona
98 dms, Simmonins Co, Tunisia
PAPRIKA—225 bgs, J Weinstein, Alicante
PEATMOSS—2,500 bls, Keer Maurer, Bremen
2,300 bls, New Amersterdam Import Co, Aarhus
600 bls, Ascot Peatmoss Corp, Bremen
500 bls, Halfmoon Trading Co, Rotterdam
510 bls, E Dunwoody, Bremen
3,601 bls, Phila National Bank, Bremen
1,500 bls, Premier Peatmoss Corp, Bremen
1,400 bls, New Amsterdam Import Co, Bremen
PEPPER, RED—320 bgs, Cal Compact Foods, Yokohama
PETROLEUM, CRUDE—399,665 bbls, Gulf Oil Corp, Puerto La Cruz
174,603 bbls, Gulf Oil Corp, Las Piedras
276,440 bbls, Socony Mobil Oil Co, Covenas
129,172 bbls, Atlantic Refining Co, Pamatacual
144,092 bbls, Atlantic Refining Co, Puerto La Cruz
113,023 bbls, Atlantic Refining Co, Caripito
17,019 tons, Atlantic Refining Co, Mena Al Ahmadi
103,680 bbls, Atlantic Refining Co, La Salina
128,813 bbls, Atlantic Refining Co, Lebanon
152,613 bbls, Texas Oil Co, Pointa Pierre
559,273 bbls, Texas Oil Co, Sidon
229,627 bbls, Atlantic Refining Co, Bandar Mashur
SODIUM CASEINATE—200 bgs, Hobson Co, Aarhus
SODIUM CHLORITE—100 dms, Vandergrift Co, Hamburg
TAPIOCA FLOUR—500 bgs, Stein, Hall & Co, Itajai
TRICHLOROETHYLENE—100 dms, Uddeholm Co, Copenhagen
VANILLA BEANS—21 cs, Zink & Trieste, Tampico
540 cs, Tamatave
WHITING—2,000 bgs, N H Weitzner, Antwerp

San Francisco

MACE—23 cs, Singapore
PEATMOSS—1,000 bls, Lastreto Phillips, Bremen
PERCHLOROETHYLENE—100 dms, D M Hicks, Antwerp
SODIUM ACETATE—250 dms, T H Davies & Co, Bremen
UREA—30,600 bgs, Wilson & Geo Meyer & Co, Hereya
ZINC OXIDE—2,500 bgs, Mundus Chemical Products, Bremen

Essential Oils, Aromatics

Movement was somewhat limited on the essential oils market last week with only minor changes recorded. One price shift was that of a decline in eucalyptus oil. This oil has been soft for a month or more; lack of demand and too much stock on spot are said to be the causes. Citronella oil continues to be sick. In fact one dealer said that prices were at rock bottom. In Guatemala oil is not being distilled because farmers will not cut the crop. It is more expensive for them to cut the crop than not to. Soft spot market has brought about this situation. In both Formosa and Guatemala a problem of overproduction exists. Lemongrass oil is another weak market, and again overproduction of the material is the reason..

The aromatic chemicals market had a firmer tone last week. A price adjustment was confirmed by one producer for linalyl acetate. The continuing shortage of styrax gum stocks on spot made the price advance. Stocks should be coming through this month or early next. Due to the higher costs of production both ethyl vanillin and vanillin advanced a major producer reported.

Dutch poppy seed continued to advance last week due to a higher market in Holland. Coriander seed was reported in short supply for this time of the year, and the market is firm. Ginger declined again, and Indian celery seed was easier what with the pressure of new crop offerings on spot. Cassia situation remained serious. Only small lots of both Batavias and Saigons are left, and they are being sold steadily.

The black pepper market still is working itself lower. Arrivals in April and May were heavy and helped to make a good supply position possible. White pepper prices on spot and for shipment also fell. Bourbon and Mexican whole vanilla beans have strengthened. Only a small amount of Bourbon material remains available for purchase until next year. No Mexican beans are left unsold.

Recently the United States Department of Agriculture made a survey of over half a million citrus trees to estimate damage done during the winter cold wave in Florida. It was reported that 75 percent of bearing orange trees, 81 percent of bearing grapefruit trees, and 79 percent of tangerine trees escaped with minor to no damage.

Extensive damage was scored at 16 percent for oranges, 12 percent each for grapefruit and tangerines. Two percent of the three varieties of bearing trees showed no sign of life at all. The report said that the non-bearing trees of all types were injured more severely than bearing trees.

Price Trends

Advanced

Cardamoms, Guatemala green, 10c. per lb.
Ethyl vanillin, 35c. per lb.
Poppy seed, Dutch, 2c. per lb.
Styrax gum, 40c. per lb.
Vanillin, 15c. per lb.

Reduced

Cedarleaf oil, 10c. per lb.
Eucalyptus oil, 70-75%, 1c. per lb.
80-85%, 1c. per lb.
Fennel seed, Argentine, 1½c. per lb.
Ginger, Jamaica No. 3, 1c. per lb.
Nigerian split, ½c. per lb.
Linalyl acetate, ex bois de rose, 90-92%, 5c. per. lb.
Pepper, Lampong black, ½c. per lb.
Red, Japanese Santak, ¾c. per lb.
Sudanese, 1c. per lb.
Muntok white, ½c. per lb.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	June 7, 1957
145.75	145.66	145.47	144.82

For Current Prices See Page 9

Essential Oils

Cinnamon Leaf — No change was recorded last week for this oil. Prices held a range of $1.35 to $2 per pound.

Citronella—The trend of weak prices continues to persist for this oil. One dealer was not quoting any prices for Java type oil from Guatemala. The situation there is grave. Oil is not being distilled because farmers will not cut the crop. They are letting the fields run to weeds and will plow them under. This is due to the low prices offered on spot which do not make it worth their while to grow citronella. In Formosa the same problem of overproduction exists. Dealers on spot would like to see some control exerted by the Formosan government as to how much citronella may be grown yearly for it would stabilize prices at a higher level.

Prices of all grades of citronella oil are at rock bottom, it was said. Ceylon type citronella oil was quoted at a range of 65c. to $1 per pound. Java type oil held a range last week of 75c. to $1.10.

Eucalyptus—A trend of soft prices has existed for several months now. Lack of demand is said to be the cause. Both rectified 70 to 75 percent and 80 to 85 percent oils eased 1c. on spot to listings of 63c. to 80c. for 70 to 75 percent, and 70c. to 95c. per pound for 80 to 85 percent eucalyptus oil.

Ginger—This spice oil has followed a downward trend for the past month or more. The latest reduction established the market price at $11 to $17. The decline was attributed to softness of the spice.

Grapefruit—No price movement was reported last week for this citrus oil. In keeping with the strong statistical positions of most Florida citrus oils, grapefruit oil was firm at a listing of $2.10 to $2.75 per pound.

Guiacwood—This in another oil that is sick. Again it is a problem of overproduction. The price of the oil held a range last week of 85c. to $1.50.

Lemongrass—Prices of this material continued to be low last week. A major dealer said the problem was one of overproduction. Lemongrass oil was listed as ranging from $1 to $1.20 per pound.

Neroli—Prices of this essential oil were unchanged last week. The neroli flower crop is finished in France, and it was reported by one dealer that all French material is sold and there is a deficit. Thus it will be impossible to cover all orders. French neroli oil held a range of $550 to $575 while Tunisian oil was listed at $400 per pound.

Pimento—Both pimento berry and leaf oils were steady on spot last week. The berry oil held a range of $3.75 to $9.25, and leaf oil had a current listing of $2 to $2.60 per pound.

Imports Detained at N. Y.

Period Ended May 30

Black pepper, 6 lots, 850 bags
Caraway seed, 2 lots, 300 bags
Cassia, 9 lots, 1,422 bags
Cloves, 4 lots, 400 bags
Fennel seed, 50 bags
Ginger, 4 lots, 716 bags
Mace, 6 lots, 153 bags
Nutmegs, 4 lots, 126 bags
Oregano, 87 bags
Papain, 4 lots, 117 bags
Poppy seed, 100 bags
Thyme leaves, 50 bags

Aromatic Chemicals

Ethyl Vanillin—A price advance for this aromatic chemical was announced last week by a major producer. The increase was attributed to the higher cost of production. Ethyl vanillin in 100 pound drums, 500 pound lots and more rose 35c. to a price of $6.75.

Linalool—This aromatic chemical remained unchanged last week. One major producer reported a price reduction due to the economies of larger production volume. The price range continued at $4.35 to $4.65 for linalool, ex bois de rose, and $4.20 to $4.65 for linalool, ex lignaloe wood oil. Synthetic linalool held a listing of $4.40 per pound.

Linalyl acetate—A price adjustment occurred for linalyl acetate, ex bois de rose, 90 to 92 percent, last week, a major producer said. The material fell 5c. to a listing ranging from $4.70 to $5.35. 96 to 98 percent linalyl acetate held a price of $5.25 to $6.60. Ex petitgrain material remained the same at $4.80 to $5.90 per pound. Synthetic linalyl acetate was steady at $4.40.

Styrax—Listings of styrax gum continued to strengthen last week, sources said. There is a large deficit of stocks on spot which is the cause of the firmer prices. A rise of 40c. put the price at a range of $2.30 to $2.75 per pound.

Vanillin—This aromatic chemical with a vanilla-like flavor increased its prices last week, a major producer announced. A price advance of 15c. was recorded, the reason being higher expenses of production.

Seeds and Spices

Cassia—The odds and ends of Batavias held on spot are being sold out steadily,

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Essential Oils

it was reported last week. The replacement picture remains the same. Saigons were also being sold in small lots. Shippers at source were not offering last week because they have not been able to secure licenses or cassia or both. Prices of Batavias and Korintjes were unchanged.

Pepper—The black pepper market pressed lower again last week due to continued pressure to sell recent arrivals. However, markets at source appeared reluctant to sell quantities at the lower level. It was reported that arrivals at New York in April and May were more extensive than last year. They offset the small arrivals earlier in the year and have made for a goodly amount of stock on hand. It is predicted that the coverage for July, August and September needs is poor. Malabar black pepper remained at 25c., Lampong black fell ½c. to 24½c. per pound.

Muntok white pepper eased ½c. to 38½c. Shipment prices as well fell slightly. Consumption needs are being met adequately.

Vanilla Beans—This market is in bad straits. Of the 1957-1958 crop only 80 tons of Bourbon beans remain available for purchase. Thus, dealers on spot are trying to buy up Bourbon material, and the more they want to buy the less willing shippers at source are to sell. This unstable supply situation has resulted in higher prices. Bourbon vanilla beans were the only variety available on the market.

Mexican vanilla beans were not available at all for purchase last week. Dealers can only sell the stocks they have on hand. Whole Mexican beans advanced 25c. in price to a listing ranging from $9.75 to $10.50 while Mexican cuts stayed the same at $9.25 to $9.75 per pound.

Tahiti vanilla beans, as a result of the tightness of supply, felt a price increase. The material advanced 25c. to a spot quote of $7.75 to $8.

CIBS to Meet Wednesday

Cosmetic Industry Buyers and Suppliers Association will hold its next luncheon meeting Wednesday, June 12, at Toots Shor's Restaurant, New York. Speaker will be Gordon R. Molesworth of Molesworth Associates, New York public relations firm. He will discuss "The Atomic and Industry," and his talk will include some applications to cosmetics research.

Dyestuff Firms

—Continued from page 5

other manufacturers, to jobbers and dealers, and to dyers and tanners. The total annual sales of dyestuffs by these defendants amount to more than $34 million, the government says.

The complaint also alleges that the defendants devised a plan to maintain and stabilize the prices at which Ciba, Geigy and Sandoz would resell dyestuffs manufactured by and sold to them by Toms River.

The suit seeks injunction relief designed to restore a competitive pricing system with respect to these sales of dyestuffs.

DCAT Sets Labor Theme For Its June 17th Meeting

The Drug, Chemical & Allied Trade Section of the New York Board of Trad will feature the theme, "Labor and the Economy," at its meeting June 17 in the Waldorf-Astoria hotel, New York.

Mathew M. Gouger, public relation director for General Aniline & Film Corporation, New York, will speak for industry. Harry W. Flannery, radio-television coordinator for the AFL-CIO will speak for labor.

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Agricultural Chemicals

It appears that major producers of nitrogen chemicals used in or as fertilizer plan to discontinue the practice of offering off-season discounts. Prices of both ammonium nitrate ($72 per ton) and nitrogen solutions ($128) per ton) are to be continued through June 30, 1959, a major producer announced last week. At the same time, a second producer extended present prices on anhydrous ammonia as well as nitrogen solutions through December 31. Other suppliers whose operations are concentrated in the Midwest originally announced the continuation of the ammonium nitrate price schedule through July, apparently in anticipation of brisk side-dressing business that month. Trade sources frequently have pointed out that seasonal discounts did little to prevent peak shipping periods and extended buying lulls. In fact, in the weeks immediately preceding the scheduled removal of the discount, most orders were placed and delivery expected, it was said.

Potash prices have been revised and a new schedule for the coming fertilizer year issued by a major producer. Here, seasonal discounts are once again available. On contracts written prior to July 1, the price is determined by the month of shipment. Thus, for standard grade potash muriate shipped in bulk, postings range from 32.5 cents per unit of K_2O for July, August, September delivery to 34.5 cents (October-December) to 37 cents (January-May).

Price Trends

Advanced

None

Reduced

Blood, dried, Chicago, 25c. per unit-ton

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	June 7, 1957
109.46	109.46	109.54	110.70

For Current Prices See Page 9

Animal and Plant Foods

Ammoniating Solutions—The Bureau of Census reported that output of ammoniating solutions in February reached 50,746 short tons, as opposed to 40,516 in the preceding month. Stocks on hand at February's end amounted to 47,305 tons, up approximately 7,000 tons from January.

Trade sources said that ammoniating solutions have been in strong demand this season partially because formulators finding it difficult to obtain sufficient quantities of ammonium sulfate turned to the solutions to fill the nitrogen requirements of complete fertilizers.

Ammonium Sulfate—Production of synthetic ammonium sulfate in February amounted to 80,777 tons, compared with 83,451 in January and 96,665 tons in February, 1957. According to the Census bureau, stocks held at producing plants at February's end totaled 51,427 tons, down substantially from the 65,661 tons of the preceding month.

Byproduct ammonium sulfate output in February was measured at 48,375 tons, down significantly from January (57,759) and February, 1957 (71,416). Inventories reported to be on hand at producing plants as of February 28, amounted to 69,103 tons, roughly 30,000 tons less than stocks held a month earlier.

The sulfate supply is still on the scant side and increased output on the part of cokeoven suppliers comes too late to remedy the situation. Normally, domestic sales begin to slide after June 15.

Animal Proteins—The single price change in this area of the agricultural chemicals market last week was a reduction of 25 cents in dried blood at the Chicago market which established the posting at $7.25 per unit ton.

For the majority of animal protein materials, movement is said to be in fair volume and relatively steady.

Potash — A major producer of potash muriate has issued a revised price schedule for the coming fertilizer year, superseding that announced two months ago.

On contracts written prior to July 1, the price will be determined by the month of shipment. Thus postings range from 32.5c. per unit of K_2O for July, August, September delivery to 34.5c. (October-December) to 37c. per unit of K_2O (January-May) for standard grade potash muriate shipped in bulk.

For material contracted for after June 30, an additional two cents per unit of K_2O will be charged on bulk shipments. Terms, as announced by the company, are f.o.b. Carlsbad, New Mexico, in minimum carloads of 40 tons.

Deliveries of potash for agricultural use declined 6 percent during the first three months of 1958, the American Potash Institute reported. Shipments by the eight principal American producers totaled 929,326 tons of salts containing an equivalent of 544,204 tons K_2O.

While no figures are yet available, trade sources universally agreed that potash moved in record speed and volume in April. May deliveries were a trifle slow and generally less than the industry anticipated, however. Indications last week were that June business may be quite substantial.

Pesticides

BHC—A major producer mentioned recently that heavy buying in March prior to the April 1 price advance was one of the factors contributing to the slow sales pace in April and May. Then too, he said, BHC is principally a cotton pesticide and the cotton use-period has been retarded by the weather in most sections of the country this year.

Sales losses may be felt in the Southeast where a sizable percentage of the cotton acreage has been deposited in the Soil Bank. But in the Delta region and in the Southwest, it's expected that BHC will enjoy an average year.

Shipments will pick up in the next two or three weeks to continue at a good level through July and August, it's said. The export market is also reported to be opening up in Central America.

Production of BHC (excluding the lindane '99 percent' gamma grade) amounted to 9,376,000 pounds during the crop year ended September 30, 1957, the Department of Agriculture reported. This was 60 percent below the 1955-56 figure.

Exports totaled 2,200,000 pounds (gamma basis) during the 1956-57 crop year, off 38 percent from the preceding twelve months. Domestic disappearance (including lindane) was in the vicinity of 7 million pounds.

2,4-D—Thus far it has been a nice orderly season, the spokesman for a major manufacturer commented last week, adding that he expected an all-round good year for weed killer sales.

He attributed the poor display of interest in 2,4-D and 2,4,5-T earlier this season to heavy off season buying prior to the price advance of last October 1.

The Agriculture department reported that 2,4-D stocks as of September 30, 1957, were up 77 percent from the same date in 1956.

For 2,4,5-T the inventory carryover from the 1957 season was also substantial, amounting to three times that of the preceding year.

Superphosphate & Other Phosphatic Fertilizer Production

Following are data compiled by the Bureau of the Census indicating superphosphates and other phosphatic fertilizer produced and shipped in the United States, July, 1957-March, 1958. Included are percentage changes. All material is 100 percent A.P.A. in short tons.

Grade	1958 season Production	1958 season Shipments	1957 season Production	1957 season Shipments	1958 season percentage change from 1957 Production	1958 season percentage change from 1957 Shipments
Normal and enriched	986,423	521,582	1,054,298	585,282	— 6	—11
Concentrated	655,953	611,865	530,428	584,723	+24	+ 5
Other phosphatic fertilizer	177,847	171,391	155,714	137,171	+14	+25
Total	1,820,223	1,304,838	1,740,440	1,307,176	+ 5	....

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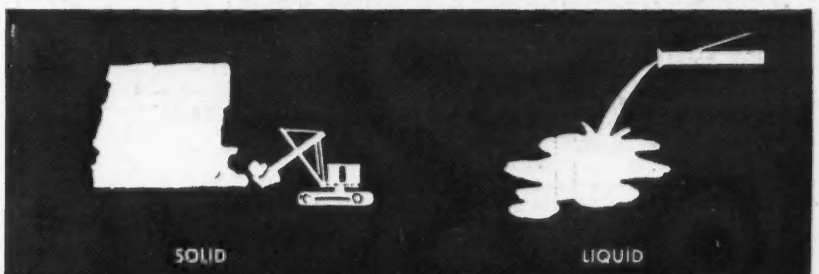

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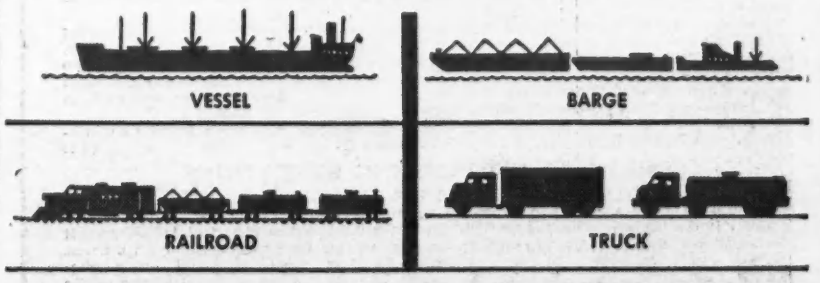

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Textile, Leather Chemicals

While consumer demand for textile and leather chemicals was restricted to actual requirements last week, the undertone of the market remained on a steady basis. The bulk of purchases were mainly for less carlot quantities, but aggregated a fair total during the period. Prices were unchanged, except for egg derivatives due to the lower cost of production. Flake albumin egg was reduced 3 cents per pound, while the technical grade was unchanged. Yolk declined 4 cents per pound. Bichromates were well held, despite spotty demand, and reflected a cut in production. Other chemicals also were maintained at current quotations. In sizing materials, potato starch was firmly held at producing centers and on the spot. While carlot business was quiet, limited stocks held by Maine grinders were firmly held. Consumer interest in tapioca flour replacements from Siam and Brazil were light but shipments from these sources were unchanged. Increased demand for rice starch has practically cleaned up stocks on the spot and interest for replacements from abroad also has broadened. Trading in corn starch and dextrin continued at a good pace at prevailing prices.

Inquiry for tanning material replacements continued spotty, with light sales reported for nearby shipment. Primary markets quotably unchanged and fairly steady.

Price Trends

Advanced

None

Reduced

Albumin egg, flake, 3c. per lb.
Egg yolk, 4c. per lb.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	June 7, 1957
101.83	*101.85	101.85	105.30

* Corrected.

For Current Prices See Page 9

Chemicals

Bichromates — Production of sodium bichromate and chromate in February totaled 7,210 tons, according to the Census Bureau and compared with 8,765 tons in January and 8,871 tons, February last year. Stocks at producing plants in February amounted to 9,938 tons against 10,453 tons, January. Market remained without change and steady for all grades. Trading was still limited to actual needs.

Sodium Acetate—This market was unchanged and steady. Demand was confined to actual needs.

Sodium Hydrosulfite—Production was lower in February and totaled 1,788 tons against 2,297 tons in January and 1,949 tons in February last year. Stocks at plants amounted to 1,657 tons in February compared with 1,254 tons, January.

Sulfonated Oils—Demand was fair, chiefly for immediate needs. Prices were unchanged for all grades.

Sizing Materials

Albumin Egg—This market was easier reflecting the lower egg market. Prices were weak and declined 3c. per pound. Business was moderate, chiefly for actual needs. Flake was quoted at $1.19 to $1.21 per pound, and powder, $1.23 to $1.25 spot according to quantity. Technical remained unchanged and steady at $1.08 to $1.10 per pound, some basis.

Liquid egg production during April totaled 63,809,000 pounds. This was 18 percent below in April, 1957, and 16 percent below the 1952-56 average for the month. The quantities used for immediate consumption, solids production, and freezing were all less than a year earlier.

Egg solids production in April totaled 2,711,000 pounds, compared with 4,032,000 pounds in April, 1957, and the 1952-56 average of 2,742,000 pounds. April production consisted of 792,000 pounds of whole egg solids, 1,272,000 pounds of albumen solids and 647,000 pounds of yolk solids. Production in April, 1957, consisted of 1,194,000 pounds of whole egg solids, 1,444,000 pounds of albumen solids and 1,394,000 pounds of yolk solids.

Frozen egg output during April totaled 50,861,000 pounds. This was 15 percent less than during April, 1957, and 20 percent less than the 1952-56 average for the month. Frozen egg stocks increased 15 million pounds during April, compared with an increase of 29 million pounds in April, 1957, and the 1952-56 average of 36 million pounds.

Corn Dextrin—Consumers absorbed fair sized lots for prompt delivery. All grades were maintained at current quotations. Gum was quoted to $9.40 per 100 pounds, paper bags, carlots, New York basis; dark canary, $9.24; light canary, $9.14 and white, $8.98, same basis. Less carlots were 15c. higher.

Corn Starch—Spotty demand was noted for all grades. Prices were maintained at former levels. Pearl was quoted at $7.38 per 100 pounds, paper bags, carlots, New York basis and powder, $7.50. Less carlots were 15c. higher. Visible corn supply was reduced 56,000 bushels and totaled 91,747,000 bushels for the week ended May 30. This compared with 130,520,000 bushels for the corresponding week last year, according to the Chicago Board of Trade.

Egg Yolk—Lower cost of eggs was reflected in yolk and quotations dropped 4c. per pound. Trading was slightly improved at the lower level. Prices ranged from $1.27 to $1.29 per pound, spot, depending upon quantity. Production of yolk in April was well below a year ago, totaling 647,000 pounds against 1,394,000 pounds, April, 1957.

Potato Starch — This market remained unchanged and steady despite light demand for spot and later delivery. Consumers continued to confine demand to small lots for immediate requirements. Interest in carlot quantities continued slow. Prices were unchanged at 6½c. per pound, carlots, f.o.b. mills, Maine and on spot from 8¼c. to 9¼c., exwarehouse, as to quantity. Idaho mills maintained 6.35c. per pound, carlots, f.o.b. less ½c. for shipment to eastern points.

Rice Starch — Improved demand practically cleared the spot market of supplies. Buying interest continued quite active with trading noted for goods afloat. Stocks on spot ranged from 14c. to 15c. per pound, exwarehouse, as to quantity.

Tapioca Flour — Deliveries against contracts were in good request, while new business was light and spotty. Siamese flour for shipment was steady and unchanged. Medium was held at 5.4c. per pound, carlots, exdock and A grade 5.65c., same basis. Interest in Brazilian flour replacements was reported slow. Medium grade for prompt shipment was nominal at 6½c. to 6¾c. per pound, carlots, exdock and top grade ¼c., higher.

Tanning Materials

Chestnut Extract — Trading was still spotty and limited to occasional lot for nearby shipment. Quotations were without change. Solid extract, 60 percent tannin was held at 8.727c. per pound, carlots, exdock, prompt shipment and 68 percent powdered 9.817c., same basis.

Cutch — Market was quiet and unchanged. Replacements were maintained at 7½c. per pound, exdock.

Mangrove Bark—Buying interest in replacements lacked snap. Offers for shipment were unchanged and fairly steady. African bark was quoted at $64 to $65 per ton, exdock, prompt shipment. Columbian was nominal at $50 per ton, and Ecuadorian, $47, same basis.

Myrobalans—This market was quiet and unchanged. Shipments were maintained at former levels. Genuine J1's were quoted at $59 to $60 per ton, exdock, for prompt shipment; crushed J1's at $73 to $74, and Bombay, $52 to $53 same basis.

Quebracho Extract—Spotty demand was noted for nearby shipment. Quotations were unchanged for all grades. Solid clarified 64 percent was held at 10.8713c. per pound, carlots, exdock, prompt shipment and solid ordinary at 9.9228c., same basis.

Wattle — Business continued light and restricted to nearby shipment. Replacements were unchanged and steady for all grades. Fair average was quoted at $68 per ton, exdock, prompt shipment and merchantable, $64, same basis. Extracts were unchanged. African 60 percent was held at 8.275c. per pound, and South African at 8.4c., carlots, exdock, prompt shipment.

Oils, Fats and Waxes

Trading in soybean oil was fairly active last week, while other edible oils were inactive. Corn, cottonseed and soybean oils were weak and closed fractionally lower. Peanut oil was still scarce and firm. Lard was easier and nominal. Crude coconut oil remained firm and low bids were turned down. Copra was irregular, but closed unchanged. Moderate volume of business took place in tallow and greases. Soapers and exporters absorbed sizable quantities which caused sellers to maintain asked prices. Buyers and sellers were ⅛ cent apart.

Increased trading was noted in linseed oil as consumers whose contracts had expired entered the market to replenish inventories. Demand for oil against existing contracts also was more active. Other drying oils were in spotty demand for nearby delivery. Tung oil continued firm and unchanged. Offers of oiticica were well held at former levels despite light consumer interest. The same was reported for Brazilian castor oil for nearby delivery. Palm oil continued in limited request, which caused the market to ease and quotations declined slightly. Lack of interest in crude menhaden oil combined with improved production in the Gulf resulted in sharply lower prices. Refined fish oils were reduced 1 cent per pound the week previous.

Oilmeals remained steady. Soybean and linseed meals were unchanged and well held despite limited demand. Stocks for nearby delivery were not liberal.

Price Trends

Advanced

None

Reduced

Corn oil, crude, ¼c. per lb.
Refd., ¼c. per lb.
Cottonseed oil, crude, ⅜c. to ½c. per lb.
Refd., ⅜c. to ½c. per lb.
Lard, cash, ¼c. per lb.
Menhaden oil, crude, ½c. to ¾c. per lb.
Palm oil, 1/10c. per lb.
Soybean oil, crude, ¼c. per lb.
Refd., ¼c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	June 7, 1957
115.96	115.96	118.48	115.15

For Current Prices See Page 9

Vegetable Oils

Castor—Steady tone prevailed in this market. Trading in No. 1 Brazilian oil was fairly active, with sales at 16c. per pound, tankcars, New York, prompt delivery. The Brazilian government has set minimum export price level for castor beans at $100 to $115 per ton, f.o.b. port. Demand for domestic oil was spotty at unchanged quotations.

Import of castor beans and castor oil at New York and Philadelphia last week were as follows:

	Pounds	
	Castor Beans	Castor Oil
Last week	.....	1,270,000
Previous week	.....	1,102,000
Corresponding week, 1957	.....	1,674,000
Total this year	8,769,700	37,325,000
Corresponding period, 1957	11,093,000	44,678,000

Coconut — Crude remained steady. Prompt shipment was quoted at 13⅞c. per pound, tankcars, f.o.b. Pacific coast, June and 13¾c., July. At New York, tankcars were held at 15c., spot and 14¾c., July.

Corn—Light sales of crude were noted at 13¼c. per pound, tankcars, f.o.b. mills, June delivery and 13⅛c., July-September. Refined was lower at 16.98c., tankcars, New York, prompt.

Cottonseed—Trend of the futures market continued downward on the New York Produce Exchange last week. Liberal liquidation caught stop loss orders and prices reached new low ground for this move. July and September encountered most of the selling reported to be from export interests. Trading was moderate and mixed. Trade interests continued to absorb July and sold September. Export inquiry continued light. Consuming demand for cash oil was reported slow. Refined salad was lower with cheaper crude. Tankcars were quoted at 16⅝c. per pound, New York, prompt delivery.

Cottonseed Oil Futures

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended Friday, June 6, follow:

	Sales	Cents per Pound — High	Low	Close
July	359	15.31	14.70	14.73S
Sept.	420	15.10	14.62	14.63S
Oct.	130	15.02	14.55	14.61S
Dec.	96	14.96	14.58	14.55@14.60
March	60	14.96	14.57	14.60@14.63
May (1959)	14	14.82	14.75	14.57@14.63

Total sales and switches, 1,079 contracts.

Trading in crude cottonseed oil was reported quiet. Market was easier and sharply lower. Tankcars were nominal at 13½c. per pound, mills, southeast; 12⅞c., Valley, 12⅜c., Lubbock and 12½c., Waco.

Linseed—Consuming demand improved for prompt delivery due to the expiration of some former contracts. Withdrawals against contracts also were more active. Market was unchanged and steady. Raw oil was moved at 13.7c. per pound, tankcars, Minneapolis, for June-August delivery. September-November was quoted nominally at 13.3c., tankcars.

Flaxseed—Terminal support rate for No. 1 flaxseed, 1958 crop at Los Angeles, has been corrected to $3.35 per bushel instead of $3.25 per bushel as recently announced by the Department of Agriculture.

Minneapolis.—Dullness persisted in this market, offerings limited and demand quiet. Crushing activity was slow and crushers purchased supplies only for nearby needs. Sales of Commodity Credit Corporation reject flax dropped off sharply. Bids were unchanged at $2.95 a bushel, spot and to-arrive, basis Minneapolis. Occasional "edges" were paid for top quality.

Receipts and shipments of flaxseed, in bushels, were as follows:

	Receipts		Shipments
	1957-58	1956-57	1957-58
Past week	257,250	2,183,200	52,500
Since Sept. 1	15,665,500	24,514,800	1,964,500

Oiticica—Business was light and spotty. Tankcars were maintained at 16½c. per pound, New York, prompt delivery. Drums was unchanged at 18c. to 18½c., spot, depending upon quantity.

Olive—Buying interest continued slow for spot and shipment from abroad. Greek oil was unchanged at $60 per 100 kilos, used drums, c.and f. New York prompt shipment and Tunisian, $57.50 to $58., same basis. Spanish was firmer for shipment due to higher cost of oil for domestic use and drums were raised to $64. per 100 kilos, f.o.b. shipping point.

Production of olive oil in the Mediterranean Basin for the 1957-58 season is estimated now at nearly 1.1 million short tons by the Foreign Agricultural Service. This is a reduction of nine percent from the forecast of almost 1.2 million tons made in December, 1957, and is eight percent below the estimate for 1956-57.

Palm—Prices were sligthly easier. Drums were lower at 14.40c. to 15.40c. per pound, spot, depending upon quantity and tankcars, 12.15c., same basis. Business was light and spotty.

Peanut—Crude was scarce and firmly held. Good quality was named at 18c. per pound, tankcars, f.o.b. mills, nearby shipment. Off grade oil was quoted ¼c. less. Business was slow. Refined oil was maintained at 21c., tankcars, New York basis.

CCC loans on 1957 crop peanuts maturing May 31, have been extended to June 30.

Rapeseed—Spotty demand was noted for nearby delivery. Tankcars were unchanged at 16c. per pound, New York and drums 17½c. to 18c., as to quantity.

Soybean—Good volume of business in crude was reported at 10⅞c. per pound, tankcars, unrestricted, Decatur, June delivery. Market closed easier and crude was offered at 10⅝c., same basis. Re-

Soybean Oil Futures

Sales and prices of crude soybean oil futures in tankcars (60,000 pounds) on the New York Produce Exchange for the week ended Friday, June 6, follow:

Sales	Cents per Pound — High	Low	Close
No sales last week.			

Total sales, 0 contracts.

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Oils and Fats: April

Following statistics are compiled by the Bureau of Census covering oils and fats production, consumption and factory and warehouse stocks in April and March, 1958 (in thousands of pounds).

	Production April 1958	Production March 1958	Consumption April 1958	Stocks April 30, 1958
Vegetable Oils				
Cottonseed, crude	87,224	110,930	118,617	87,442
Cottonseed, refined	108,425	109,427	96,364	192,368
Peanut, crude [1]	4,405	4,180	4,930	6,324
Peanut, refined	4,587	5,856	2,761	4,317
Corn, crude	22,831	23,692	25,357	13,128
Corn, refined	23,362	20,435	21,094	7,962
Soybean, crude	335,600	330,112	305,495	282,648
Soybean, refined	290,285	290,886	299,146	159,474
Coconut, crude	35,238	28,490	54,932	[4]45,930
Coconut, refined	38,745	37,823	35,093	11,505
Linseed, raw	32,888	44,166	32,226	99,184
Linseed, refined	16,253	19,791	16,765	44,907
Tung	2,636	3,668	3,215	35,339
Castor (No. 1 and No. 3)	....[2]	....[2]	8,123	[4]31,176
Oiticica	.....	.....	609	1,905
Other Than Vegetable Oils				
Lard, rendered and refined	[5]188,000	[5]177,000	[6]39,450	86,580
Tallow, edible (incl. refined)	22,592	22,503	[6]21,443	20,933
Tallow and grease, inedible (other than wool):				
All establishments	[7]199,340	[7]193,459	129,185	234,344
Establishments classified in meat packing industry	[7]64,111	[7]64,497	NA	NA
Tallow and grease, inedible, refined	10,531	10,757	10,447	7,165
Cod and cod-liver oil [8]	50	15	NA	1,341
Other liver oil [8]	.....	.....	NA	379
Menhaden [8]	1,088	.....	5,481	34,159
Sardine (pilchard) and herring [8]	65	.....		
Other fish oil, except liver oil [8]	252	[6]632		
Marine mammal oil [8]	.....	.....	3,077	[4]41,695
Vegetable foots (100% basis)	22,573	20,783	11,432	58,227

[5] Revised.
NA—Not available.
[1] Data on production and stocks held at crude oil mill locations collected by Agricultural Marketing Service, U. S. Department of Agriculture.
[2] Included in "Other vegetable oil, crude" to avoid disclosure of figures for individual companies.
[3] Included in "Other vegetable oil, refined" to avoid disclosure of figures for individual companies.
[4] Data for stocks of crude palm oil, crude coconut oil, crude castor and sperm oil are on a commercial stocks basis and do not include figures for stock piles of strategic oils.
[5] Data on production collected by U. S. Department of Agriculture. These figures represent only rendered lard. According to this Agency, refined lard production (Federally inspected only) totaled 122 million pounds in April, 1958, and 117 million pounds in March, 1958.
[6] Excludes quantities used in refining.
[7] Production data for "Tallow and grease, inedible" are weighted to account for quantities produced by small renderers not reporting monthly. The factors for 1958 are as follows: All establishments—5.2%, meat packing plants—9.1%.
[8] Data for fish oil producers collected by Fish and Wildlife Service, U. S. Department of the Interior. Data on consumption and stocks of menhaden, sardine, and other fish oils not available separately. Consumption data for cod, cod-liver, and other liver oils unavailable and stock figures for these items represent quantities held by producing firms only.

Oils, Fats and Waxes

fined salad was lower at 13⅜c. New York basis nearby.

ICA authorized Morocco to purchase $2,400,000 worth of soybean oil and the Department of Agriculture has authorized Italy to obtain about 24,000 metric tons of soybean oil or cottonseed oil in bulk or drums. Contracts may be booked from June 12 to July 31 and shipments up to August 30.

Tung—Trading was spotty, chiefly for nearby delivery. Tankcars were available at 21½c. per pound, New York, prompt and later delivery. Drums were maintained at 23c. to 23½c., spot, according to quantity. Arrivals totaled 6,500 tons in bulk at New York from the Argentine last week.

Fats and Greases

Greases—Trading was spotty, lacking volume. Market was unchanged and fairly steady. Yellow grease was sold at 7½c. and 7⅝c. per pound, tankcars, delivered, according to acid. Choice white was sold at 8¾c., same basis.

Lard—This market was quiet and more or less nominal. Cash lard was quoted at 12¾c. per pound, drums, Chicago. ICA authorized Yugoslavia to purchase $1,025,000 worth of lard.

Tallow—Moderate volume of business was reported for export and domestic delivery. Bleachable fancy was sold at 8⅛c. and 8¼c. per pound, tankcars, delivered, with sellers maintaining the higher figure. Prime was generally held at 8c.; special, 7¾c. and No. 1, 7½c., same basis. Guaranteed fancy was quoted at 9⅜c. to 9½c., drums, f.a.s. and 8¾c., bulk. ICA authorized Yugoslavia to purchase $1,990,000 worth of tallow.

Fish Oils

Menhaden—Continued slow demand and improved fishing weakened this market and quotations declined fractionally. Tankcars were lower at 7¼c per pound, f.ob. works and 7½c. on board steamer. Fishing was reported fairly good in the Gulf, but still light on the Atlantic. Refined grades were recently dropped 1c. per pound. Light pressed was quoted at 10½c., tankcars, New York basis.

Cake and Meal

Cottonseed Meal — Trading was confined to small lots, chiefly to the local trade. Stocks were light. Prices were steady. Meal, 41 percent was quoted at $60.50 per ton, sacked, Memphis; $69 to

—Continued on page 67

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Coatings Materials

Lead sank to its lowest level since June, 1950, dragging red lead, litharge and orange mineral prices down with it. Otherwise, things were still quite slow in the paint industry last week. Perhaps the most encouraging sign is the steadily rising curve of steel production, which has been tending upward over the last few weeks. This would indicate that there will be movement of steel into durable hard goods which ultimately will require paint. Any increased volume in durable goods output is bound to reflect to the advantage of the paint industry.

Phthalocyanine colors which are noted for their cleanness of tone, color retention, and chemical resistance now have red masstone added to the previously well established blue and green colors. Straight phthalocyanine colors are high priced, but find their place in the industry because of superior performance in certain end uses, compared to other pigments. Undoubtedly the red will find itself a similar unique niche.

There were slight price adjustments in certain of the dammar and manila natural resins last week. There was also a quantity differential price adjustment made in ethyl cellulose. The upping of smaller quantity packaging due to higher costs of labor and handling was a natural adjustment which had been effected on most chemicals last year.

Coating resin business was slow in most areas. Industrial finishing resins were showing little or no inclination to pick up, and the big push in architectural resin finishes in trade sales type of business was seasonally slowing. This was in part offset by a better summer time demand for long oil alkyds in the manufacture of alkyd trim and trellis paints.

Earth color demand was steady at reduced volume, about on a par with 1954 levels. The rubber trade was taking less cheap iron oxides. Carbon black production levels were running between nine to ten percent under those of a year ago.

Price Trends

Advanced

Ethyl cellulose, l.c.l., 1c.-2c. per lb.
Manilla gum, 2c. per lb.

Reduced

Dammar gum, Siam, 1c. per lb.
Singapore No. 1, 1c. per lb.
Lead, red, 95% Pb_3O_4, ½c. per lb.
97% Pb_3O_4, ½c. per lb.
98% Pb_3O_4, ½c. per lb.
Litharge, ½c. per lb.
Orange mineral, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	June 7, 1957
101.45	101.45	101.47	100.74

For Current Prices See Page 9

Prime Pigments

Carbon Black—April production of carbon black totaled 133,978,000 pounds, of which 107,927,000 pounds was furnace black of various grades, and 26,051,000 pounds was contact black. Total output for the first four months of this year, as compared with the corresponding period of 1957 was as follows: Furnace black this year 433,261,000 pounds as compared with 479,546,000 pounds last year. Contact black this year amounted to 107,665,000 pounds as against the 119,960,000 pounds turned out last year. Combined output this year was, accordingly, off by some 9 percent as related to last year. This is regarded as fair business volume.

Chrome Green—C. P. chrome green output in February amounted to 279 tons, as compared with the 569 tons turned out in February of last year. Demand was down sharply from the paint industry, and more particularly from the industrial finishes side of the paint industry. All hard durable goods have been off notably this year, and especially such items as filing cabinets and automobiles, which use substantial quantities of chrome green.

Chrome Yellows—All grades of chrome yellows, ranging all the way from the very light shades which are lead chromate lightened with basic lead sulfate, straight lead chromate or medium yellows, and the deeper shades, including chrome orange, and basic chrome orange, were adversely affected by the current business recession, particularly in hard durable goods requiring industrial finishing. Just how far off business levels were this year as against last year, is reflected in the February totals, in which 1958 production stood at 1,602 tons, compared with 2,045 tons in February of last year.

Lead Pigments—With lower lead, across the board reductions of ½c. per pound followed immediately for oxides, litharge and orange mineral last week.

Red lead, 95 percent was newly quoted at 13¼c. per pound, drums, carlots, freight equalized and 14¼c. per pound, less carlots, same basis. Other new prices include:

Red lead, 97 percent, 13.45c. per pound, carlots, same basis, and 14.45c. per pound, less carlots, same basis.

Red lead, 98 percent, 13.60c. and 14.60c., same basis.

Litharge, commercial, powdered, 12¾c. per pound, bags, carlots, works, and 13¾c. per pound, less carlots, same basis.

Orange mineral, 15.6c. per pound, drums, carlots, works, and 16.6c. per pound, less carlots, same basis.

Molybdated Orange—Price patterns were unchanged on this item. Demand was a bit on the slack side. Production volume in February of this year stood at 330 tons, as against the 435 tons turned out during February of last year.

Titanium Dioxide—Titanium pigment production, calculated on a 100 percent TiO_2 basis, amounted in February to 26,931 short tons, compared with the 31,189 short tons turned out in January. Demand was currently described as fair, and prices were unchanged. However inventories at the end of February were lower at 71,722 tons, as against 76,174 tons on hand at the end of January.

Lacquer Materials

Ethyl Cellulose—This versatile alkyl cellulose used in lacquers, varnishes, printing inks, records, plastics, films, and the like, moves mostly in less than carlot quantities. At levels of less than carlots, prices were advanced a modest 1 cent per pound on quantities ranging from 5,000 pounds to carlots. On shipments of less than 5,000 pounds, packaged in standard bags, prices were advanced 2 cents per pound over former price schedules. Carlot prices for bulk quantities were unchanged.

Reasons behind the change were the accumulated increased costs in producing and handling less than carlot or trucklot quantities. The change in quantity price differentials was long overdue, since similar adjustments on most chemicals were initiated last year.

Accordingly, under the new schedule, regular grades, in all states east of the eastern boundries of Idaho, Utah, and Arizona, carlots are quoted at 66 cents per pound, 5,000 pounds and over at 68 cents, and less than 5,000 pounds at 70 cents per pound. These prices are on a freight allowed basis. West of the above boundary lines, prices are f.o.b. producing plant, at levels 1 cent below the above figures.

Natural Resins

Copal Gum—Trading was quiet locally, but market conditions in the primary market were firming up, particularly on the soft grades. MA soft was currently quoted at 20 to 24 cents per pound, up somewhat more than 2 cents over former schedules.

Dammar Gum—Certain grades were off 1 cent per pound last week. Siam material was currently quoted at 33 to 35 cents per pound, depending upon quantity, down 1 cent from former schedules.

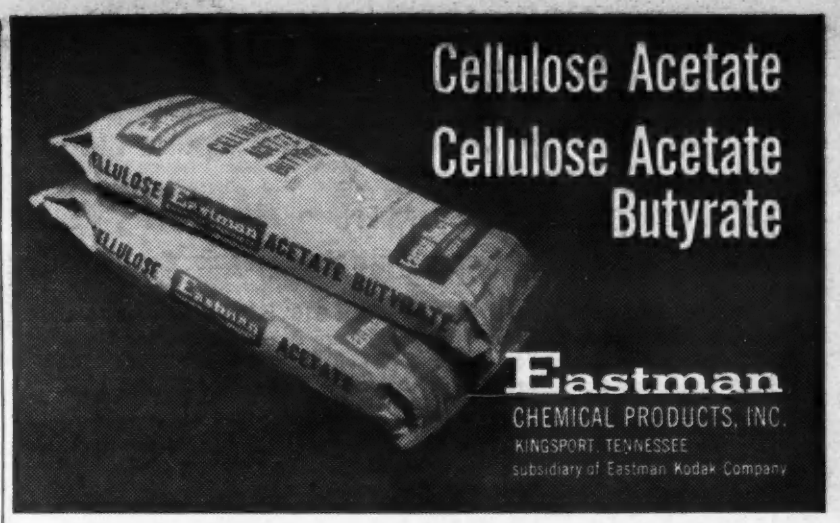
Singapore No. 1 was also off 1 cent, being currently listed at 39 to 43 cents per pound, depending upon quantity.

Shellac—Prices, both abroad and at home, were unchanged. This was representative of the currently quiet conditions prevailing in the market.

Miscellaneous Materials

Casein—There were no price changes last week, with quotations averaging just about as they had been the week before. Buyers held their purchases to immediate

—*Continued on page 67*



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8'6" x 50' Allis Chalmers Kiln.
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5' x 40' Rotary Kiln ⅜" Shell
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32" x 100" double drum dryer.

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1—Sperry Filter 42", open del., 40-plates, 41-frames.
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2—Ball & Jewell #2 Cutters with 75 H.P. motors.
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1—Glascote Glass-lined jacketed kettle, 500 gal.

1—Nickel 1000 gallon jacketed kettle.

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3—Pfaudler Glass-lined 100 gal. Type VR Vacuum Receivers.

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Living Standards

—Continued from page 7

recently released to the press a speech in which, Mr. Queeny points out, the congressmen referred to chemical industry executives as "anti-capitalists . . . potentially more dangerous to us than Communists among us."

Rep. Frank Ikard of Texas delivered the speech for Mr. Rayburn, but omitted such comment. He made the presentation at a dinner of the National Conference of Organizations on International Trade Policy. (OPD 3/31/58.)

Copies of Mr. Queeny's pamphlet are available from SOCMA at 41 East 42nd street, New York 17. The association does not necessarily endorse the views expressed in the article.

Metal & Thermit

—Continued from page 3

tured by the company include industrial chemicals, medical chemicals, antibiotics, plastic materials, agricultural chemicals, raw materials for perfumes and products for ceramics, enamelware and glassware.

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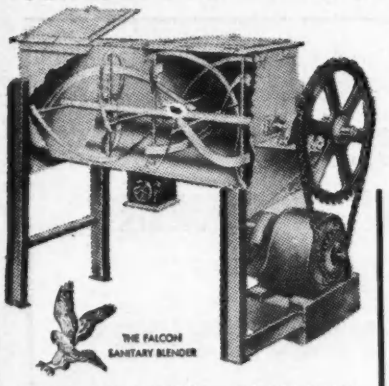

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Loeb Equipment Supply Co. 65

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Conite Chemical Company 49

Pennsalt Chemicals Corporation, Industrial Division 1
Penola Oil Company 31
Perry Equipment Corp. 64
Petro-Tex Chemical Corporation 13
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Pfizer, Chas., & Co., Inc. 52
Phillipp Brothers Chemicals, Inc. 45
Polak's Frutal Works 57
Prior Chemical Corporation 1
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Procter & Gamble Co. 50
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Pure Carbonic Co. 44

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Read, Chas. L., & Co., Inc. 44
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Republic Steel Corporation 50
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Current Market Quotations

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Zinc metal, prime western slabs, E. St. Louis	lb.	.10	—
Prime western, slabs, New York	lb.	10½	—
Zinc naphthenate, liq., 8% Zn., dms., frt. alld	lb.	.27	—
10% Zn, dms., frt. alld	lb.	.33	—
Zinc nitrate tech., cryst., bbls., works	lb	20	—
Zinc oxide pigment, American process, lead-free bgs. c.l., frt. alld	lb.	.14½	—
bgs. l.c.l., same basis	lb.	15½	—
lead-fr. 35%, bgs., c.l., mills, frt. alld	lb.	.15½	—
bgs., l.c.l., same basis	lb.	.16½	—
50%, bgs., c.l., same basis	lb.	.15½	—
bgs., l.c.l., same basis	lb.	.16½	—
Zinc oxide pigment, French process, green seal, bgs. c.l., mills, frt. alld	lb.	.16¼	—
bgs., l.c.l., same basis	lb.	.17¼	—
red seal, bgs., c.l., same basis,	lb.	.15¼	—
bgs. l.c.l., same basis	lb	16¼	—
white seal, bgs., c.l., same basis	lb.	.16¾	—
bgs., l.c.l., same basis	lb.	.17¾	—
USP, ctns. c.l., frt alld	lb	.17¼	—
ctns. l.c.l., same basis	lb	18¼	—
Zinc oxide Pac. Coast prices 1c. higher			
Zinc phenolsulfonate, NF gran., dms	lb.	.44	.45
NF, powd., dms.	lb.	.47	.48
Zinc resinate, precip. 7.2-7.6% Zn, dms., frt. alld	lb.	.36½	—
Zinc silicofluoride, dms., works	lb.	.12½	.14
Zinc stearate, tech., USP, ctns. c.l.,	lb.	.41	—
Zinc sulfate, powd., monohydrate, ctns., l.c.l.	lb.	.42	.46
36% Zn., bgs., c.l., dlvd. E	100 lbs	8.75	—
bgs., l.c.l., dlvd. E	100 lbs	9.75	—
USP, gran., dms.,	lb.	.26	—
Zinc sulfate in bbls. 40c. higher			
Zinc sulfide, pure, bgs., c.l. dlvd	lb.	.2530	—
Zinc undecylenate, dms.	lb.	2.00	—
Zinc yellow (see Zinc chromate)			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	10.25	—
bbls., c.l., works	100 lbs.	10.85	—
bbls., l.c.l., works	100 lbs.	11.35	—
Zinc-formaldehyde sulfoxylate basic, dms., c.l.	lb.	.25½	—
dms., l.c.l.	lb.	.26	—
Zircon (G), gran., bgs., c.l., works,	lb.	.03½	—
bgs., 5 tons to c.l., works	lb.	.03¾	—
bgs., 1 ton to 9,999-lb. lots, works	lb.	.04	—
bgs., smaller lots, works	lb.	.06½	—
Zircon (G), milled, bgs., c.l., works	lb.	.04½	—
bgs., 5 tons to c.l. works	lb.	.04¾	—
bgs., 1 ton to 9,999-lb. lots, works	lb.	.04½	—
bgs., 500-1,999-lb. lots, works	lb.	.07½	—
Zircon (G) in barrels 1c. higher			
Zirconium acetate, 15% soln., ZrO_2 c.l., 30,000 lbs. minimum, works	lb.	.23	—
Zirconium hydride, powd., dms., works	lb.	7.25	9.00
Zirconium oxide, CP, white, grd., bbls. or bgs., works	lb.	1.30	—
Electric-fused, lump, bgs., 500 to 1,999-lb. lots, works	lb.	.45½	—
bgs., smaller lots, works	lb.	.48	—
milled, bgs., c.l., works	lb.	.59	—
bgs., 5-ton lots, works	lb.	.58½	—
bgs., 1-ton to 9,999-lb. lots, works	lb.	.60	—
bgs., 500 to 1,999-lb. lots, works	lb.	.60½	—
bgs., smaller lots, works	lb.	.63	—
Glass polishing grade, 94-97% ZrO_2, bgs., works	lb.	.55	.62
Opacifier grade, 35-90% ZrO_2, bgs.,	lb.	.27	.50
Stabilized oxide, 91% ZrO_2, rail'd, bgs	lb.	.62	.85
Zirconium oxychloride, cryst., bgs., 5-ton lots, works	lb	.35½	—

Bids Wanted

Ammonium phosphate, 88 short tons, 11-48-0, Bid No. 4S-8490, June 11, Gen. Services Admin., 7th & D Sts., S.W., Washington 25, D.C.

Benzene hexachloride, 500 lbs., Bid No. 4S-8491, June 16, Gen. Services Admin., 7th & D Sts., S.W., Washington 25, D. C.

Chlordane, 585 lbs., tech., refd., Bid No. J-514 077, June 10, N. Y. City Dept. of Purchase, Municipal Bldg., (Open Market Bids), N. Y. 7, N. Y.

Denatured alcohol, 16,200 gals., grade 3, spec. OE-760B, Bid No. 105, June 11, N. Y. Chem. Procurement Div., 290 Broadway, N. Y. 7, N. Y.

Diammonium phosphate, 3,000 lbs., tech., Bid 2260 A, June 24, Procurement Div., Panama Canal Co., 21 West St., N. Y. 6, N. Y.

Lindane, 100 lbs., 99% tech., Bid No. 4S-8491, June 16, Gen. Services Admin., 7th & D Sts., S.W., Washington 25, D. C.

Methanol, 126 55-gal. dms., tech., syn., spec. OM-232, grade A, Bid No. 15, June 13, Army Chem. Procurement Dist., 1515 Clay St., Oakland 12, Calif.; 40,500 gals., type B, Contract. June 12, N. Y. City Dept. of Purchase, Municipal Bldg., (Contract Bids), N. Y. 7, N. Y.

Paint, 200 5-gal. cans oil interior and exterior room paint, 1,000 gals. gray paint, 2,000 gals. varnish paint, Bid No. 240, June 19, Purchasing Div., Bldg., 2783, Fort Ord, Calif.; 326 gals. latex paint, 24 gals. enamel, Bid No. 7, June 12, Supply Div., V.A. Hospital 5245, Wilmington 5, Del.; 600 gals. flat and oil paints, spec. P-29, Bid No. 48960 CS 4, June 16, Gen. Services Admin., 50 7th St. NE, Atlanta, Ga.; 156 gals. syn. gloss enamel, 500 gals. boot topping black paint, Bid No. 2114-A, June 19, Procurement Div., Panama Canal Co., 21 West St., N. Y. 6, N. Y.

6,000 5-gal. pails vinyl acrylic white saran resin lacquers, Bid No. 4-3016, June 16, 1,000,000 lbs. antifouling shipbottom paint, Bid No. 4-3007, June 16, 3,000 gals. cellulosic clear lacquer, Bid No. 4-3005, June 17, 5,200 gals. white ship enamel, Bid No. 4-2976, June 17, 20,000 1-gal. cans rubber emulsion type white paint, Bid No. 4-2968, June 17, 5,000 gals. green oil paint, 2,500 gals. white same, Bid No. 4-2939, June 18, 1,550 5-gal. steel pails Navy formula blue enamel, Bid No. 4-2963, June 18, 1,240 1-gal. cans aircraft white gloss enamel, Bid No. 4-2933, June 18, 25,000 gals. white gloss enamel, Bid No. 4-3006, June 16, 4,808 1-gal. cans phenolic, lusterless, outside black enamel, Bid No. 4-3013, June 17, 2,320 gals. green syn. gloss enamel, Bid No. 4-3021, 20,300 1-gal. cans white gloss enamel, Bid No. 4-3012, June 17, 192 5-gal. steel pails yellow zinc coating primer, Bid No. 4-2984, June 19, 5,000 5-gal. dms. turpentine, type 1, Bid No. 4-3015, June 19, Gen. Stores Supply Office, 700 Robbins Ave., Phila. 11, Pa.

Paraffin, 1,050 lbs., USP, Bid No. J-514076M, June 10, N. Y. City Dept. of Purchase, Municipal Bldg., (Open Market Bids), N. Y. 7, N. Y.

Sodium chloride, 2,040,000 lbs., tech., mineral type, spec. SS-550, Bid No. 369, June 16, Contracting Officer, BWMP, Bldg. 120, Wright Patterson AFB, Ohio.

Sodium nitrate, 1,200 lbs., cryst., Bid No. 2260 A, June 24, Procurement Div., Panama Canal Co., 21 West St., N. Y. 6 N. Y.

USDA Wants to Be Captain

—Continued from page 3

tions committee; it doesn't need any new authority or law.

Sen. Homer Capehart of Indiana, one of the chief proponents of a "crash" program, commented that Secretary of Agriculture Benson is wrong in failing to press for more appropriations. He should have been asking for $100 millions, Sen. Capehart observed, and he should be supporting this legislation wholeheartedly.

Corn People Have Own Plans

Dr. James W. Evans, director of research of American Maize Products Company, Roby, Ind., told the committee in a statement that scientists of the corn refining industry have their sights set on new products and potential uses for corn which can sharply reduce the present billion-bushels-plus corn surplus. But these goals can be achieved more readily, he added, by a government boost to the scientific effort that is needed.

Among projects that have been drafted, three would focus on the use of starch as an integral part of paper, in the metallurgical industries, and in insecticide and defoliating formulations.

Dr. Evans said these three projects would cost an estimated $6.5 million and could lead to an annual consumption of some 410 million bushels of corn. Present industrial consumption of corn is about 140 million bushels.

J. LeRoy Welsh, president of Butler-Welsh Grain Company, Omaha, and former chairman of the Commission on Increased Use of Agricultural Products, whose recommendations last year are the basis for the bills now pending, testified that we must look to research for solving the surplus farm problem because there appears to be little prospect of expanding the food or export markets in the coming decade to absorb the surplus production.

Welsh a Vigorous Advocate

He was a vigorous advocate of research on grains for the production of alcohol so that agriculture will be able to reap the benefits of the expanding synthetic rubber and plastics industry, rather than the petroleum industry.

"In recent years agriculture has been researched out of many of its natural markets," he said. "Nearly half the market for natural fibers—cotton, wool, flax, silk—has been taken over by synthetic fibers. Some 65 percent of the soap has been replaced by detergents, which do not use natural fats. Much of the paint and varnish is produced by synthetics which do not use linseed and other vegetable oils. A good example is industrial alcohol. In 1945, 172 million gallons of industrial alcohol were produced from grain and only 60 million gallons synthetically from petroleum. In 1956, only 3 million gallons were produced from grain and 181 million from petroleum."

Oils, Fats and Waxes

—Continued from page 62

$70 Alabama, Georgia and South Carolina, June shipment.

Linseed Meal—Market remained steady and unchanged, despite limited demand. Stocks were light.

Minneapolis.—This market was firm, influenced more by limited supplies than any aggressive demand from trade. Fair volume was sold for nearby, deferred interest at a standstill. Prices were steady. Withdrawals continued at active pace, shipping schedules well filled for a week ahead. Extracted, 34 percent protein, was unchanged at $55 to $55.50 a ton, bulk, in carlots, f.o.b., Minneapolis. Old process was steady at $56 for June delivery.

Shimpents of linseed meal, in pounds, were as follows:

	1957-58	1956-57
Past week	6,060,000	6,960,000
Since Sept. 1	522,000,000	503,380,000

Soybean Meal—Demand was not brisk in this market, but there were no supplies pressing and prices were steady. Users were reluctant to build up inventories, making purchases only when necessary for immediate needs. Encouraging the waiting tendency was weakness in futures after early advances, trade retiring to the sidelines to watch for the low. Meal, 44 percent protein, ranged from $54 to $55 a ton, unrestricted, bulk, Decatur.

Miscellaneous

Cocoa Butter—Market remained steady and unchanged. Prices ranged from $1.02 to $1.07 per pound, spot according to quantity.

Copra—This market was unchanged and steady. Prompt shipment was held at $183 per ton c.i.f. Pacific coast. Offers were light.

Waxes, Vegetable

Consumers continued to operate in a hand to mouth manner. While business lacked volume carnauba remained steady, reflecting the strength and scarcity of replacements from Brazil. All grades unchanged, except No. 1 yellow which was firmer and replacements were raised at least 1c. per pound. Crude and refined beeswax were quiet and unchanged. Candelilla also was without change and well held. Other grades were dull and featureless.

Coatings Materials

—Continued from page 63

needs only, and trading was generally light. Offering from the Argentine were said to be adequate to take care of all needs. Offerings from other foreign sources were light.

Lecithin—Demand for bleached edible grade for the confectionery and other trades was described as hardly more than fair. Technical grades used for dispersing, wetting, and anti-settling agents was fair, but requirements from the paint industry were off significantly due to slow trading in the industrial finishes side of the business.

Naval Stores

Rosin, Gum

(USDA, per 100 lbs.)

	Thurs.[1] May 29	Mon. June 2	Tues. June 3	Wed. June 4	Thurs. June 5
Drums—					
K	...	...	...	$7.07‡	...
M	...	$7.82*	...	...	...
N	...	...	...	7.75	...
WG	...	8.18‡	$8.25	8.16‡	...
WW	...	8.27*	8.31‡	8.26‡	$8.34
Bags—					
K	...	...	...	7.50	...

Tankcars (for week ended May 29)—
K or better, $7.35.

Sales, USDA

Thurs.[1] May 29	Mon. June 2	Tues. June 3	Wed. June 4	Thurs. June 5
...	1,405*	450*	1,519*	5‡

New York

(per 100 lbs., c.l., Friday)

WW, $8.80; WG, $8.70; N, $8.20; K-M, $8.05.

Turpentine, Gum

(USDA, per gal., 7.3 lbs.)

	Thurs.[1] May 29	Mon. June 2	Tues. June 3	Wed. June 4	Thurs. June 5
Price	.509‡	.512‡	...	.505	.51
Sales	12,000‡†	30,500‡†	...	16,000‡†	20,000‡†

New York, Friday, per gal. 7 lbs., tankcars, 63c.; l.c.l., 82c.

* Drums equivalent. ‡ Gallons. † Average price. ‡ Carlots. [1] No market May 30, holiday. [2] July.

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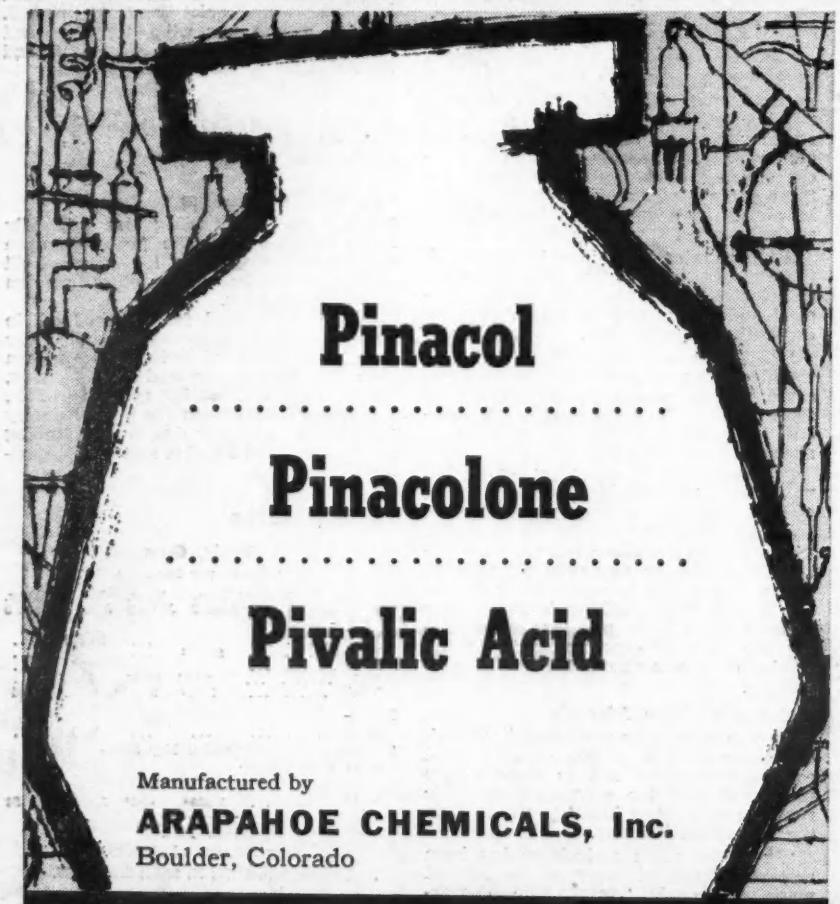

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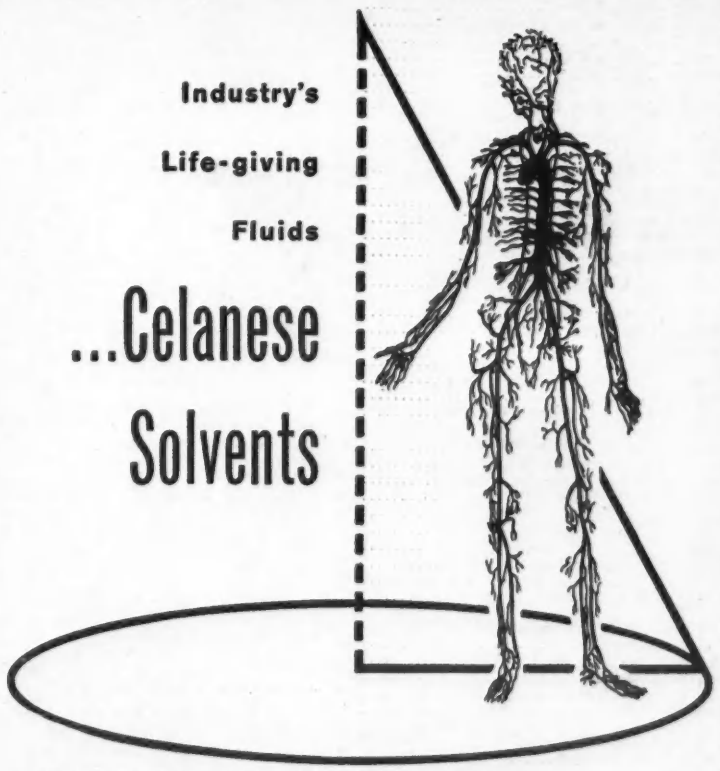

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